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PROJECTIONS AND PLANNING INFORMATION

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PROJECTIONS AND PLANNING INFORMATION

LABOR MARKET INFORMATION DIVISION

MISSION

SACRAMENTO COUNTY

Includes
1996 Updates

VISION

WE ARE THE LABOR MARKET INFORMATION DIVISION FOR CALIFORNIA
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IN ECONOMIC DEVELOPMENT AND RESEARCH PARTNERS AND A
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State of California
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LABOR MARKET INFORMATION DIVISION

MISSION

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

VISION

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.

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Projections & Planning Information

Module A:

Introduction

Projections and Planning Information

SACRAMENTO COUNTY

Replace Module A: INTRODUCTION

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**EMPLOYMENT DEVELOPMENT DEPARTMENT
LABOR MARKET INFORMATION DIVISION**

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Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

Customers may choose some or all of the following modules:

Module A: Introduction *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

Module B: Labor Force *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

Module C: Wage and Salary Employment *Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

Module D: Projections *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
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- Employment by Major Occupational Group
- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
- Occupations with the Fastest Job Growth
- Occupational Employment Projections
- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

Module E: Occupational Wages *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

Module F: Social and Economic Data *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

Sacramento County

Sacramento County is located in the heart of California's Central Valley. Situated at the intersection of Interstates 5, 80, and Highways 50 and 99, the county has easy access to the San Francisco Bay Area, Southern California, Oregon, Washington and all points east.

The 2000 Census data reports Sacramento's population 1.2 million, an increase over 1990 Census data of 17.5 percent or 182,300 residents. Overall, Sacramento County ranks as the eighth-highest populated county in the state. Most of the county's residents live in the unincorporated areas to the north, east and south of the city of Sacramento, along the freeway and light rail corridors. Within the county, the cities of Galt and Folsom experienced substantial growth since the 1990 Census; Galt's population grew from 8,900 residents in 1990 to 19,500 residents in 2000, while Folsom, with 51,900 residents, recorded almost 75 percent growth. Sacramento, the state's capital and the largest city in the county, recorded a population of 407,000, an increase of 10 percent. With a projected population of more than 1.7 million residents by the year 2020, Sacramento County will continue to experience steady growth.

The availability of a sound physical infrastructure; major rail, interurban light rail, an inland deep water port, and international airport facilities contribute to Sacramento's historic reputation as a center of commerce, trade, and transportation. Affordable land and housing and a quality labor force are a few of the many attributes that have attracted companies to Sacramento County, making it one of the fastest growing and economically

stable regions in the state. The region is served by an excellent higher education system, including California State University, Sacramento; University of California, Davis; Sacramento City College; American River College; Cosumnes River College; McGeorge Law School; and other private universities.

Sacramento County terrain is generally level, rising gently eastward from California's largest river, the Sacramento, to the foothills of the Sierra Nevada mountains. The county is also home to two other rivers, the American and Cosumnes rivers, which flow from the Sierra Nevada mountains westward. The American River is protected in Sacramento County by a parkway, which provides over 50 miles of biking, hiking and equestrian trails, and serves as a natural green belt winding through the county's urban core. The highest elevation, at 825 feet, is in the northeastern corner of the county, where the bluffs of the American River overlook Lake Natomas, Folsom Lake, and the city of Folsom. The lowest elevation, at 15 feet below sea level, extends into the southwestern corner of the county.

The weather in Sacramento is ideal; the county has cool and wet winters, and warm, sometimes hot, dry summers, with pleasant spring and fall seasons in between. The city of Sacramento is known for its abundant parks, tree-lined streets, easy access to the rivers, and delta breezes that cool the city during the warm summer months.

Sacramento County

Population of the County and Selected Cities 1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
Total	783,381	1,041,219	1,223,499	1,258,600	17.5%	2.9%
Citrus Heights (e)	NA	NA	85,071	86,800	NA	2.0%
Folsom	11,003	29,802	51,884	57,200	74.1%	10.2%
Galt	5,514	8,889	19,472	20,250	119.1%	4.0%
Isleton	914	833	828	840	-0.6%	1.4%
Sacramento	275,741	369,365	407,018	418,700	10.2%	2.9%
Balance of County	490,209	632,330	659,226	674,900	4.3%	2.4%

(a) Census of Population, April 1, 1980.

(b) Census of Population, April 1, 1990.

(c) Census of Population, April 1, 2000.

(d) California Department of Finance revised estimates for January 1, 2001.

Parts may not add to total due to independent rounding.

(e) Incorporated after the 1990 Census.

NA-Not applicable

Sacramento County



Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.
Report E-1. Sacramento, California, May 2001.

O*NET

The Occupational Information Network

The *Occupational Information Network* (O*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O*NET was created for the general public to provide broad access to occupational information.

The O*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O*NET data collection and database will be maintained by the newly established National O*NET Consortium.

For further information contact O*NET:

O*NET Project
DOL Office of Policy and Research
200 Constitution Ave., NW, MS N5637
Washington, DC 20210
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data

General Characteristics of the Revised SOC

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)

19-000 Life scientists (*minor group*)

19-1020 Biological scientists (*broad occupation*)

19-1021 Biochemists and biophysicists (*detailed occupation*)

19-1022 Microbiologists (*detailed occupation*)

19-1023 Zoologists and wildlife biologists (*detailed occupation*)

19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

CalJOBS – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

Employer Advisory Councils work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

California's Labor Market and Occupational Information is only a click away ...

Use your computer to view and/or download important economic data directly from us —
24 hours a day, seven days a week!

<http://www.calmis.ca.gov>

Data available on-line:

Agriculture Statewide and county employment and earnings data for selected crops and industries.

Demographics Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

Industry Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

Labor Force Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

Resources Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

Occupations Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

Visit our interactive on-line sites:

Labor Market Information for Economic Development (LMI4ED) Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

California Career & Training Information System (CaCTIS) Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

Publications and Information: Publications Desk (916) 262-2162

Internet Assistance: (916) 262-2213 or (916) 262-2340

Related Websites

Local Government

CA local government agencies

http://www.ceres.ca.gov/geo_area/counties

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

Projections & Planning Information

Module B:

Labor Force

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Module B: Labor Force

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Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

Civilian Labor Force includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

Civilian Employment includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

Civilian Unemployment includes those individuals who are not working but are able, available and looking for work.

Unemployment Rate is the number of unemployed individuals expressed as a percentage of the civilian labor force.

Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

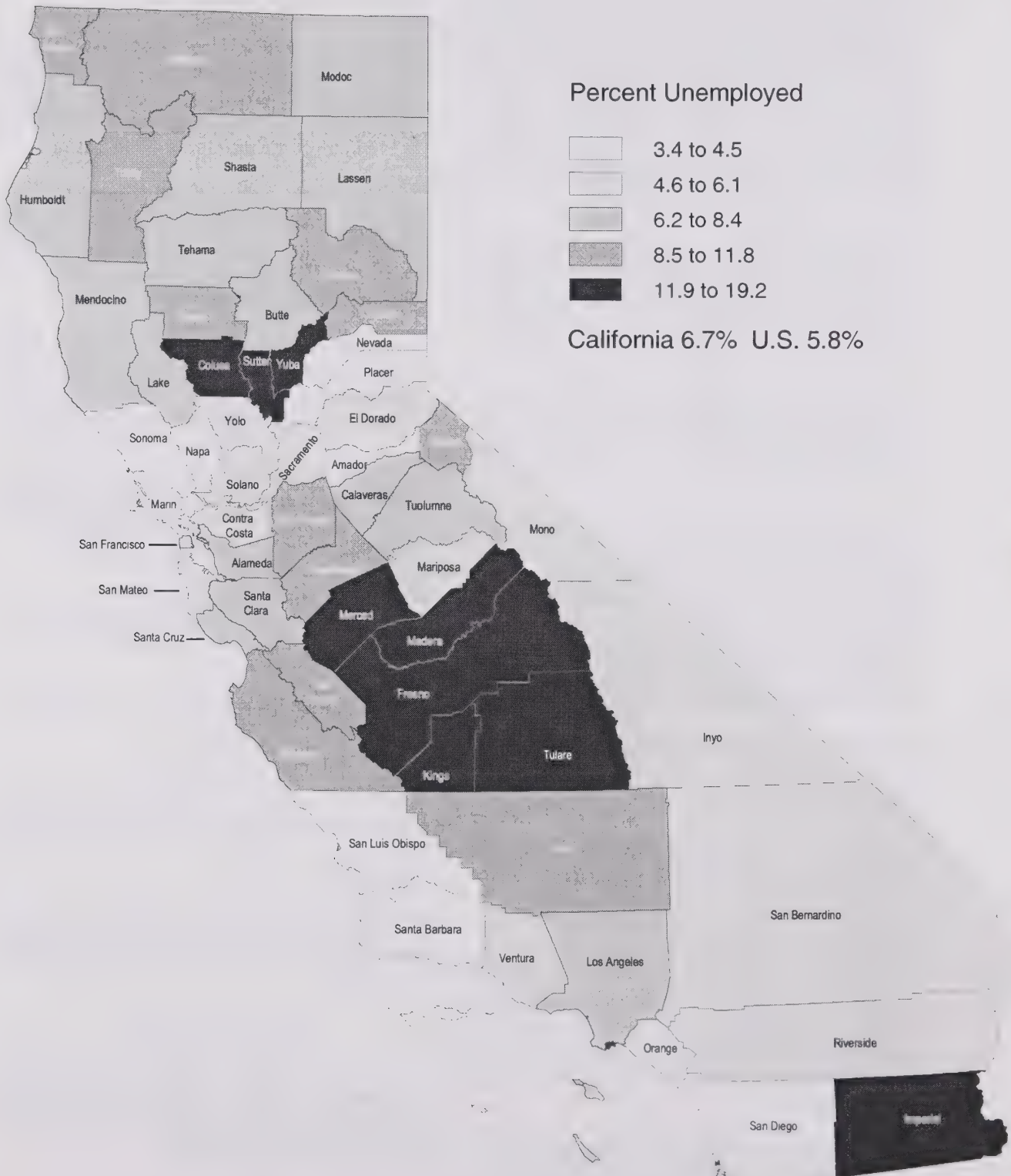
Electronic access to data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

Please call **(916) 262-2162** for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

County Unemployment Rates

2002 Annual Averages



United States, California and Counties
Unemployment Rates
2001, 2002 Annual Averages*

	2001	2002		2001	2002
U.S.	4.7	5.8			
CALIFORNIA	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

*March 2002 Benchmark figures.

Sacramento County
Civilian Labor Force, Employment and Unemployment
 (2002 Benchmark)
 Annual Averages 1990–2002

	Labor Force	Employment	Unemployment	Rate
2002	643,100	608,200	34,900	5.4%
2001	619,100	593,000	26,100	4.2%
2000	602,900	577,400	25,500	4.2%
1999	586,300	561,600	24,700	4.2%
1998	568,700	540,300	28,400	5.0%
1997	554,800	524,300	30,500	5.5%
1996	541,600	508,700	32,900	6.1%
1995	538,900	502,100	36,800	6.8%
1994	538,400	499,800	38,600	7.2%
1993	531,700	487,900	43,800	8.2%
1992	530,900	487,100	43,800	8.3%
1991	527,700	493,100	34,600	6.6%
1990	524,400	500,500	23,900	4.6%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Sacramento County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

	Labor Force	Employment	Unemployment	Rate
2002 January	635,300	601,000	34,300	5.4%
February	634,000	600,700	33,300	5.3%
March	639,500	606,100	33,400	5.2%
April	634,800	602,900	31,900	5.0%
May	635,700	604,600	31,100	4.9%
June	642,500	607,500	35,000	5.5%
July	651,400	612,900	38,500	5.9%
August	651,700	615,400	36,300	5.6%
September	645,200	609,000	36,200	5.6%
October	649,400	612,100	37,300	5.7%
November	649,500	612,600	36,900	5.7%
December	648,400	613,700	34,600	5.3%
Annual Average	643,100	608,200	34,900	5.4%
2001 January	608,200	581,600	26,600	4.4%
February	607,200	581,800	25,400	4.2%
March	611,200	586,900	24,300	4.0%
April	609,100	586,000	23,100	3.8%
May	609,800	586,700	23,100	3.8%
June	617,100	590,600	26,500	4.3%
July	627,500	599,600	27,900	4.4%
August	628,400	602,000	26,400	4.2%
September	621,300	594,700	26,600	4.3%
October	626,900	599,000	27,900	4.5%
November	630,600	602,400	28,200	4.5%
December	632,300	604,800	27,400	4.3%
Annual Average	619,100	593,000	26,100	4.2%
2000 January	590,500	563,400	27,000	4.6%
February	591,900	565,400	26,500	4.5%
March	596,900	570,800	26,100	4.4%
April	597,800	573,600	24,200	4.1%
May	595,800	571,800	24,100	4.0%
June	604,600	576,100	28,500	4.7%
July	609,500	580,000	29,500	4.8%
August	611,000	585,500	25,500	4.2%
September	605,100	580,300	24,800	4.1%
October	609,400	584,400	25,000	4.1%
November	610,500	586,800	23,700	3.9%
December	611,300	590,300	21,000	3.4%
Annual Average	602,900	577,400	25,500	4.2%

Sacramento County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1999	January	575,000	547,200	27,800	4.8%
	February	579,600	552,500	27,100	4.7%
	March	581,000	555,700	25,300	4.4%
	April	579,200	556,100	23,100	4.0%
	May	578,500	556,100	22,500	3.9%
	June	587,500	561,200	26,300	4.5%
	July	595,200	567,500	27,700	4.7%
	August	596,200	571,500	24,600	4.1%
	September	587,900	564,500	23,300	4.0%
	October	590,700	567,000	23,700	4.0%
	November	590,600	567,600	23,000	3.9%
	December	593,500	572,100	21,400	3.6%
	Annual Average	586,300	561,600	24,700	4.2%
1998	January	562,400	528,600	33,800	6.0%
	February	562,500	530,600	31,800	5.7%
	March	564,600	535,600	29,000	5.1%
	April	561,800	534,300	27,500	4.9%
	May	562,300	535,100	27,300	4.8%
	June	568,400	538,200	30,200	5.3%
	July	575,900	544,200	31,700	5.5%
	August	575,500	547,300	28,200	4.9%
	September	568,000	540,700	27,300	4.8%
	October	573,000	546,900	26,100	4.6%
	November	573,400	549,000	24,400	4.2%
	December	576,800	553,300	23,500	4.1%
	Annual Average	568,700	540,300	28,400	5.0%
1997	January	547,400	513,200	34,100	6.2%
	February	547,200	514,300	32,900	6.0%
	March	548,400	518,100	30,300	5.5%
	April	545,700	516,800	29,000	5.3%
	May	545,700	516,600	29,000	5.3%
	June	554,700	522,100	32,500	5.9%
	July	563,700	529,900	33,700	6.0%
	August	564,100	533,100	31,000	5.5%
	September	559,100	528,600	30,500	5.5%
	October	560,500	531,300	29,200	5.2%
	November	560,900	533,400	27,500	4.9%
	December	559,800	533,800	26,100	4.7%
	Annual Average	554,800	524,300	30,500	5.5%

Sacramento County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1996	January	538,300	500,400	37,900	7.0%
	February	537,500	499,900	37,600	7.0%
	March	538,300	503,600	34,700	6.4%
	April	532,600	499,900	32,700	6.1%
	May	532,800	501,200	31,600	5.9%
	June	540,700	506,900	33,900	6.3%
	July	546,800	511,300	35,500	6.5%
	August	548,700	516,900	31,700	5.8%
	September	543,500	512,100	31,400	5.8%
	October	547,000	516,400	30,600	5.6%
	November	548,200	518,800	29,500	5.4%
	December	545,200	517,400	27,800	5.1%
	Annual Average	541,600	508,700	32,900	6.1%
1995	January	539,300	498,700	40,600	7.5%
	February	537,600	498,800	38,800	7.2%
	March	538,500	501,100	37,400	6.9%
	April	534,000	497,600	36,400	6.8%
	May	532,500	496,300	36,200	6.8%
	June	539,100	500,000	39,100	7.3%
	July	542,900	502,400	40,500	7.5%
	August	544,400	508,100	36,300	6.7%
	September	536,900	501,300	35,600	6.6%
	October	540,300	505,500	34,800	6.4%
	November	542,800	508,500	34,300	6.3%
	December	537,900	506,300	31,600	5.9%
	Annual Average	538,900	502,100	36,800	6.8%
1994	January	535,500	491,600	43,900	8.2%
	February	537,400	493,200	44,200	8.2%
	March	536,700	496,800	39,900	7.4%
	April	532,900	495,400	37,500	7.0%
	May	532,400	495,100	37,300	7.0%
	June	540,100	500,400	39,700	7.4%
	July	547,400	506,400	41,000	7.5%
	August	545,700	508,200	37,500	6.9%
	September	538,000	501,300	36,700	6.8%
	October	540,700	504,200	36,500	6.7%
	November	538,700	503,100	35,600	6.6%
	December	535,300	501,900	33,400	6.2%
	Annual Average	538,400	499,800	38,600	7.2%

Sacramento County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1993	January	531,900	484,400	47,500	8.9%
	February	530,400	483,400	47,000	8.9%
	March	529,500	485,100	44,400	8.4%
	April	524,900	482,100	42,800	8.1%
	May	523,700	480,800	42,900	8.2%
	June	529,200	482,900	46,300	8.8%
	July	539,300	491,600	47,700	8.8%
	August	537,100	493,500	43,600	8.1%
	September	529,800	487,100	42,700	8.1%
	October	533,000	491,100	41,900	7.9%
	November	535,400	494,900	40,500	7.6%
	December	536,000	497,600	38,400	7.2%
	Annual Average	531,700	487,900	43,800	8.2%
1992	January	523,600	480,300	43,300	8.3%
	February	525,200	480,000	45,200	8.6%
	March	524,800	482,100	42,700	8.1%
	April	523,600	481,200	42,400	8.1%
	May	525,700	483,200	42,500	8.1%
	June	532,800	487,100	45,700	8.6%
	July	541,400	494,700	46,700	8.6%
	August	539,900	495,700	44,200	8.2%
	September	531,900	488,700	43,200	8.1%
	October	533,500	490,100	43,400	8.1%
	November	533,800	490,700	43,100	8.1%
	December	534,200	491,400	42,800	8.0%
	Annual Average	530,900	487,100	43,800	8.3%
1991	January	525,000	490,100	34,900	6.7%
	February	524,000	488,200	35,800	6.8%
	March	524,800	488,900	35,900	6.8%
	April	521,300	487,200	34,100	6.6%
	May	521,300	488,800	32,500	6.2%
	June	526,100	491,700	34,400	6.5%
	July	534,900	497,800	37,100	6.9%
	August	534,300	500,800	33,500	6.3%
	September	528,100	494,200	33,900	6.4%
	October	530,400	496,400	34,000	6.4%
	November	531,700	497,300	34,400	6.5%
	December	530,300	495,500	34,800	6.6%
	Annual Average	527,700	493,100	34,600	6.6%

Sacramento County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1990 January	518,600	494,900	23,700	4.6%
February	520,000	496,300	23,700	4.6%
March	521,200	498,900	22,200	4.3%
April	521,000	499,300	21,600	4.2%
May	523,900	502,200	21,700	4.1%
June	529,000	504,900	24,100	4.6%
July	535,500	509,700	25,800	4.8%
August	534,300	511,600	22,700	4.3%
September	517,600	495,400	22,200	4.3%
October	522,700	497,700	25,000	4.8%
November	524,900	497,600	27,300	5.2%
December	524,000	497,100	26,900	5.1%
Annual Average	524,400	500,500	23,900	4.6%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Projections & Planning Information

Module C:

Wage & Salary Employment

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Module C: Wage and Salary

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Wage and Salary Employment

Industry employment data reflect jobs by “place of work” and by broad industry categories. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in a county or Metropolitan Statistical Area (MSA) that pay wages and salaries are counted, although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, and hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, referred to as “Benchmark data,” are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

Classification

Formerly, industry employment data were coded using the Standard Industrial Classification (SIC) system. In 1998, California began to transition from SIC to the new North American Industry Classification System (NAICS).

NAICS is the product of a cooperative effort on the part of the statistical agencies of the United States, Canada, and Mexico. It uses a production-oriented approach to categorize economic units. Units with similar production processes are classified in the same industry. NAICS focuses on how products and services are created, as opposed to SIC which focuses on what is produced. Using NAICS yields significantly different industry groupings than those produced using SIC. Due to these differences, NAICS data will not be directly comparable to the SIC-based data for earlier years.

Many programs within EDD produce or use data by industry, but some of these programs have not

yet transitioned from SIC to NAICS. For example, while the official estimates of employment by industry (also known as the Current Employment Statistics or CES program) began publishing data by NAICS with the release of Benchmark and monthly average data in February of 2003, the projections of employment by industry and occupation will not incorporate NAICS codes until the release of the 2002–2012 data (anticipated release in late 2003 or early 2004).

Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county's economy as a whole; at one industry; and/or at related industries for a firm's suppliers or for potential markets.

Points to Consider

Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.

Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.

Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

Additional Sources of Information

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

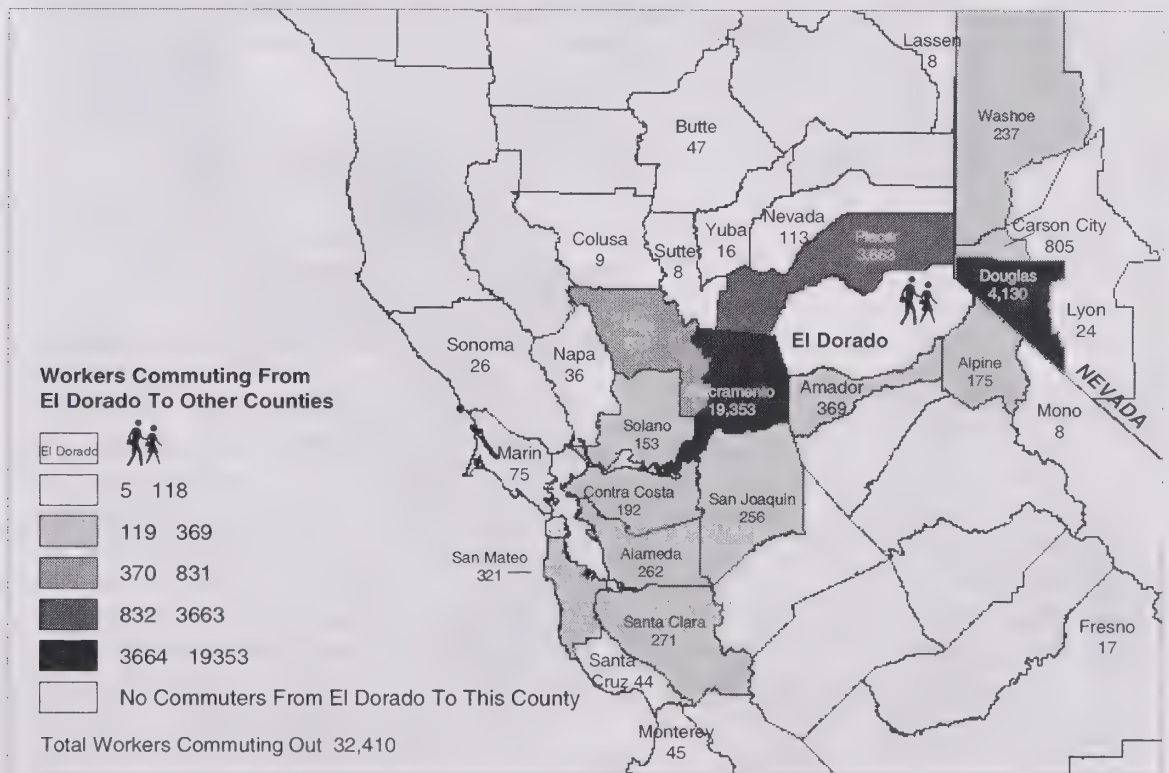
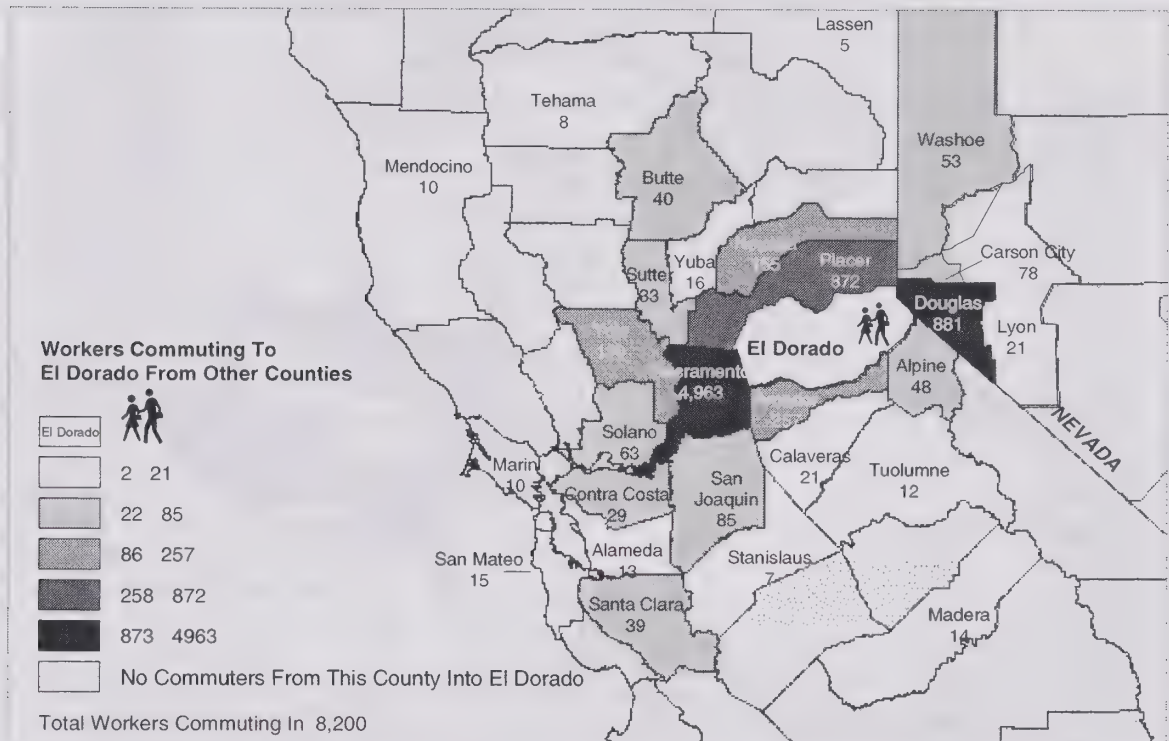
Automated Access

Access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

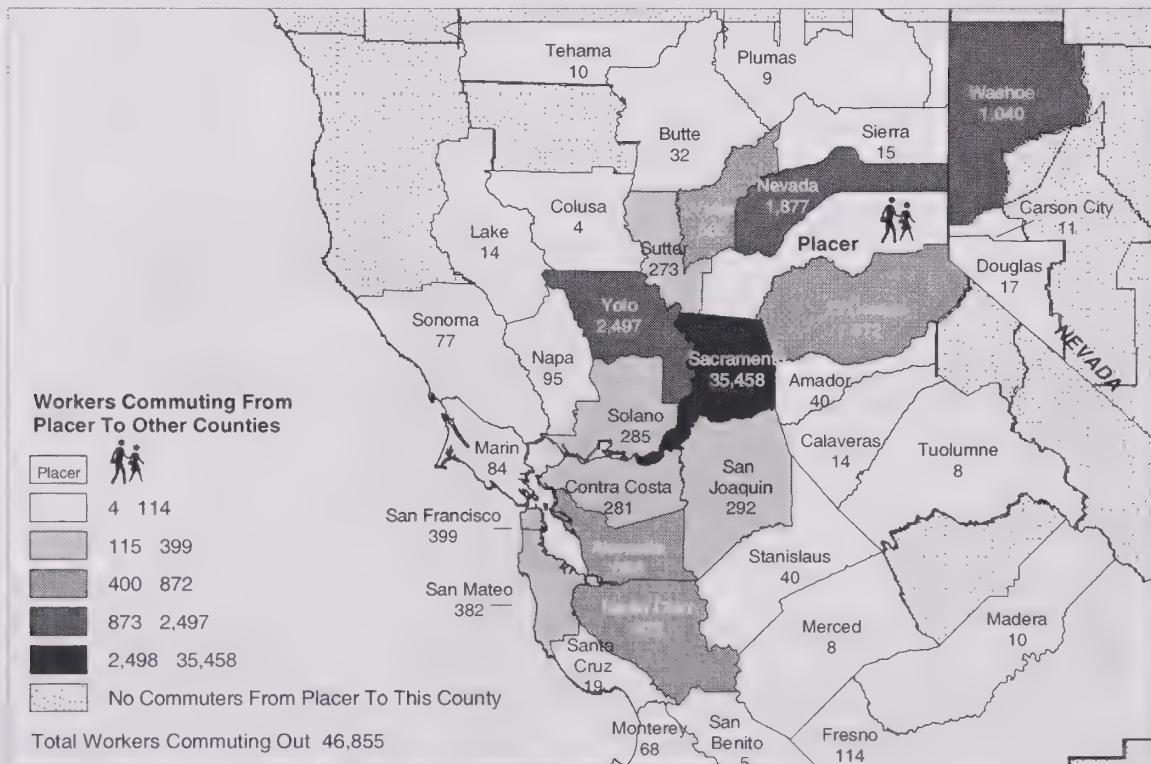
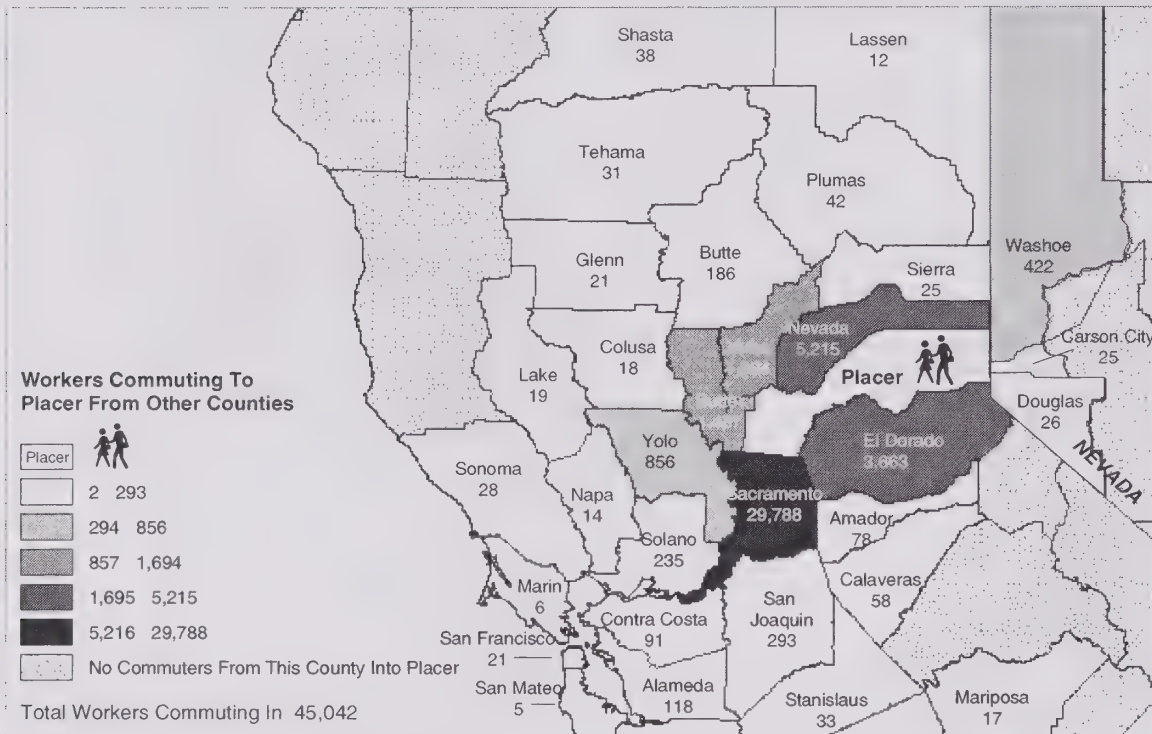
For technical assistance or additional information about the Employment Development Department's website, please call (916) 262-2162. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443.

El Dorado: County to County Commuting



Total Workers That Live And Work In El Dorado 39,709

Placer: County to County Commuting



Total Workers That Live And Work In Placer 69,554

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Total, All Industries	713,800	735,200	747,100
Total Farm	4,000	4,000	3,400
Total Nonfarm	709,700	731,200	743,700
Total Private	528,300	543,400	547,800
Goods Producing	93,800	99,800	97,400
Natural Resources and Mining	600	600	600
Construction	48,300	54,800	56,100
Construction of Buildings	10,500	11,800	11,600
Heavy and Civil Engineering Construction	5,200	5,500	5,600
Specialty Trade Contractors	32,600	37,500	38,900
Building Foundation and Exterior Contractors	8,200	10,100	10,000
Building Equipment Contractors	11,400	12,600	12,700
Building Finishing Contractors	9,300	11,000	12,400
Other Specialty Trade Contract	3,700	3,800	3,900
Manufacturing	44,900	44,400	40,800
Durable Goods	32,300	32,500	29,300
Computer and Electronic Product Manufacturing	15,900	15,400	12,500
Computer and Peripheral Equipment Manufacturing	7,200	6,100	4,400
Semiconductor and Electronic Component Manufacturing	6,200	6,700	5,700
Residual-Communications Equipment Manufacturing	2,500	2,600	2,400
Residual-Miscellaneous Manufacturing	16,400	17,100	16,800
Nondurable Goods	12,600	11,900	11,500
Food Manufacturing	4,600	4,300	4,200
Residual-Beverage and Tobacco Product Mfg	8,100	7,600	7,300
Service Providing	615,900	631,500	646,200
Trade, Transportation and Utilities	117,300	120,000	120,700
Wholesale Trade	20,200	21,400	21,300
Merchant Wholesalers, Durable Goods	11,700	12,400	12,100
Merchant Wholesalers, Nondurable Goods	6,500	6,700	6,400
Wholesale Electronic Markets and Agents and Brokers	2,000	2,400	2,800
Retail Trade	81,000	82,900	84,400
Motor Vehicle and Parts Dealer	12,700	12,700	12,800
Building Material and Garden Equipment Stores	6,800	7,600	8,100
Food and Beverage Stores	16,000	16,400	16,900
Grocery Stores	13,900	14,200	14,700
Residual-Specialty Food Stores	2,100	2,200	2,200
Health and Personal Care Stores	4,200	4,600	4,500
Clothing and Clothing Accessories Stores	6,500	7,000	7,300
Sporting Goods, Hobby, Book and Music Stores	4,500	4,500	4,400
General Merchandise Stores	12,300	12,100	12,500
Residual-Miscellaneous Store Retailers	18,000	17,900	18,000
Transportation, Warehousing and Utilities	16,100	15,600	15,000

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Information	17,400	21,300	21,900
Publishing Industries (except Internet)	4,500	4,400	4,600
Telecommunications	8,900	10,400	10,500
Telecommunications Resellers	5,200	5,600	5,500
Residual-Other Telecommunications	3,700	4,800	5,000
Residual-Other Information Services	4,100	6,600	6,700
Financial Activities	48,900	49,300	51,300
Finance and Insurance	36,600	37,000	39,100
Credit Intermediation and Related Activities	14,700	13,900	15,200
Depository Credit Intermediation	8,400	8,500	9,000
Nondepository Credit Intermediation	4,100	4,400	4,600
Activities Related to Credit Intermediation	2,200	900	1,600
Residual-Other Finance	21,900	3,900	4,100
Insurance Carriers and Related	18,400	19,200	19,800
Real Estate and Rental and Leasing	12,300	12,300	12,200
Real Estate	8,000	8,200	8,400
Residual-Rental and Leasing Services	4,300	4,100	3,800
Professional and Business Services	96,200	90,500	88,700
Professional, Scientific and Technical Services	36,300	37,400	37,600
Accounting, Tax Preparation and Bookkeeping Services	4,800	5,000	4,900
Architectural, Engineering and Related Services	7,400	7,700	7,400
Computer Systems Design and Related Services	7,400	7,400	6,900
Residual-Other Professional, Scientific and Technical Services	16,800	17,300	18,500
Management of Companies and Enterprises	12,300	10,600	9,000
Administrative and Support and Waste Services	47,600	42,500	42,100
Administrative and Support Services	46,000	41,000	40,700
Employment Services	23,000	20,000	19,700
Investigation and Security Services	7,600	4,500	4,400
Services to Buildings and Dwellings	9,100	9,600	10,000
Residual-Other Support Services	6,400	6,800	6,700
Waste Management and Remediation Services	1,600	1,600	1,400
Educational and Health Services	65,300	70,300	72,100
Educational Services	7,600	8,800	9,500
Health Care and Social Assistance	57,600	61,600	62,500
Ambulatory Health Care Services	23,900	24,600	24,700
Hospitals	16,400	16,700	16,600
Nursing and Residential Care Facilities	8,900	9,700	10,300
Social Assistance	8,400	10,600	10,900
Leisure and Hospitality	64,500	66,300	69,200
Arts, Entertainment, and Recreation	9,900	10,900	11,200
Accommodation and Food Service	54,600	55,400	58,000
Accommodation	7,300	7,100	7,700

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Food Services and Drinking Places	47,300	48,300	50,300
Full-Service Restaurants	22,200	22,500	23,500
Limited-Service Eating Places	23,200	23,600	24,600
Residual-Special Food Services	1,900	2,200	2,200
Other Services	25,000	25,900	26,500
Repair and Maintenance	9,100	9,400	8,800
Personal and Laundry Services	15,800	16,600	17,700
Government	181,400	187,800	195,800
Federal Government	12,900	10,400	10,400
Department of Defense	3,700	2,100	1,900
Other Federal Government	9,200	8,300	8,500
State and Local Government	168,500	177,500	185,500
State Government	82,000	86,200	87,600
State Government Education	5,300	5,700	6,000
Other State Government	76,600	80,500	81,700
Local Government	86,600	91,200	97,900
Local Government Education	53,700	56,800	61,500
County	17,500	18,500	19,600
City	8,400	8,800	9,400
Other Local Government	7,000	7,100	7,500

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	691,000	695,900	703,000	705,400	712,100	720,400	713,700	719,400	721,600	720,800	727,700	734,100	713,800
Total Farm	2,900	3,300	3,700	3,700	4,400	4,600	5,700	4,300	4,500	4,500	3,400	3,500	4,000
Total Nonfarm	688,100	692,600	699,300	701,700	707,700	715,800	708,000	715,100	717,100	716,300	724,300	730,600	709,700
Total Private	510,300	512,500	516,800	519,600	522,200	530,300	531,600	536,500	536,900	534,300	541,200	547,600	528,300
Goods Producing	88,000	88,000	89,300	90,400	92,500	94,700	95,400	97,600	97,500	97,300	97,400	97,400	93,600
Natural Resources and Mining	500	500	500	600	600	600	600	600	600	600	600	600	600
Construction	43,100	42,600	43,800	46,200	48,000	50,200	50,100	51,300	51,500	51,100	51,100	50,800	48,300
Construction of Buildings	9,700	9,700	9,900	10,100	10,500	10,800	10,700	11,100	11,200	10,800	10,900	11,100	10,500
Heavy and Civil Engineering Construction	4,600	4,000	4,200	5,000	5,200	5,600	5,500	5,700	5,900	5,700	5,500	5,300	5,200
Specialty Trade Contractors	28,800	28,900	29,700	31,100	32,300	33,800	33,900	34,500	34,400	34,600	34,700	34,400	32,600
Building Foundation and Exterior Contractors	7,000	7,000	7,400	7,900	8,300	8,500	8,700	8,800	8,900	8,700	8,600	8,400	8,200
Building Equipment Contractors	10,700	10,700	10,600	10,600	10,700	11,300	11,700	12,000	11,900	12,000	12,200	12,200	11,400
Building Finishing Contractors	8,200	8,400	8,600	9,200	9,600	9,800	9,800	9,700	9,500	9,700	9,700	9,600	9,300
Other Specialty Trade Contract	2,900	2,800	3,100	3,400	3,700	4,200	3,700	4,000	4,100	4,200	4,200	4,200	3,700
Manufacturing	44,400	44,900	45,000	43,600	43,900	43,900	44,700	45,700	45,400	45,600	45,700	46,000	44,900
Durable Goods	31,600	32,000	32,300	31,200	31,400	31,700	32,200	32,800	32,700	33,000	33,000	33,200	32,300
Computer and Electronic Product Manufacturing	15,900	16,100	16,200	14,900	15,000	15,300	15,900	16,100	16,100	16,400	16,400	16,600	15,900
Computer and Peripheral Equipment Manufacturing	7,900	8,000	8,000	6,700	6,700	6,800	7,000	7,000	7,000	7,300	7,200	7,200	7,200
Semiconductor and Electronic Component Manufacturing	5,600	5,600	5,700	5,800	5,900	6,100	6,300	6,500	6,500	6,500	6,700	6,800	6,200
Residual-Communications Equipment Manufacturing	2,400	2,500	2,500	2,400	2,400	2,400	2,600	2,600	2,600	2,600	2,500	2,600	2,500
Residual-Miscellaneous Manufacturing	15,700	15,900	16,100	16,300	16,400	16,400	16,300	16,700	16,600	16,600	16,600	16,600	16,400
Nondurable Goods	12,800	12,900	12,700	12,400	12,500	12,200	12,500	12,900	12,700	12,600	12,700	12,800	12,600
Food Manufacturing	4,600	4,700	4,500	4,500	4,500	4,200	4,400	4,700	4,600	4,600	4,700	4,700	4,600
Residual-Beverage and Tobacco Product Mfg	8,200	8,200	8,200	7,900	8,000	8,000	8,100	8,200	8,100	8,000	8,000	8,100	8,100
Service Providing	600,100	604,600	610,000	611,300	615,200	621,100	612,600	617,500	619,600	619,000	626,900	633,200	615,900
Trade, Transportation and Utilities	114,900	113,800	114,100	114,700	114,800	115,700	116,400	117,900	118,200	118,200	122,900	125,800	117,300
Wholesale Trade	19,700	19,700	19,800	20,100	20,100	20,300	20,200	20,300	20,300	20,500	20,500	20,700	20,200
Merchant Wholesalers, Durable Goods	11,400	11,500	11,700	11,600	11,600	11,700	11,600	11,700	11,700	11,800	11,800	11,900	11,700
Merchant Wholesalers, Nondurable Goods	6,100	6,200	6,200	6,300	6,500	6,400	6,600	6,700	6,600	6,700	6,700	6,700	6,500
Wholesale Electronic Markets and Agents and Brokers	2,200	2,000	1,900	2,200	2,000	2,200	2,000	1,900	2,000	2,000	2,000	2,100	2,000

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	79,100	77,900	78,100	78,400	78,700	79,400	80,200	81,400	81,700	81,900	86,200	88,500	81,000
Motor Vehicle and Parts Dealer	12,200	12,400	12,700	12,900	13,000	13,100	13,100	13,100	13,000	12,500	12,500	12,400	12,700
Building Material and Garden Equipment Stores	6,200	6,100	6,300	6,500	6,600	6,700	7,000	7,000	7,000	7,200	7,500	7,400	6,800
Food and Beverage Stores	16,100	16,000	15,900	15,700	15,600	15,700	16,200	16,000	16,000	15,800	16,300	16,600	16,000
Grocery Stores	14,000	13,900	13,800	13,600	13,500	13,600	14,100	14,000	14,000	13,700	14,100	14,200	13,900
Residual-Specialty Food Stores	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,000	2,000	2,100	2,200	2,400	2,100
Health and Personal Care Stores	3,900	3,800	3,800	4,000	4,100	4,200	4,300	4,300	4,400	4,400	4,500	4,600	4,200
Clothing and Clothing Accessories Stores	6,500	6,200	6,200	5,800	5,800	6,200	6,000	6,600	6,800	6,700	7,600	8,100	6,500
Sporting Goods, Hobby, Book and Music Stores	4,400	4,300	4,300	4,400	4,300	4,400	4,400	4,500	4,400	4,400	4,900	5,200	4,500
General Merchandise Stores	12,200	11,600	11,400	11,400	11,500	11,700	11,700	12,000	12,100	12,500	14,100	14,900	12,300
Residual-Miscellaneous Store Retailers	17,600	17,500	17,500	17,700	17,800	17,400	17,500	17,900	18,000	18,400	18,800	19,300	18,000
Transportation, Warehousing and Utilities	16,100	16,200	16,200	16,200	16,000	16,000	16,000	16,200	16,200	15,800	16,200	16,600	16,100
Information	17,500	17,400	17,300	17,300	17,200	17,300	17,400	17,500	17,500	17,500	17,600	17,700	17,400
Publishing Industries (except Internet)	4,400	4,400	4,400	4,400	4,400	4,500	4,500	4,500	4,300	4,500	4,500	4,600	4,500
Telecommunications	8,700	8,600	8,600	8,700	8,800	9,000	8,900	9,000	8,900	9,200	9,400	9,400	8,900
Telecommunications Resellers	5,000	5,100	5,100	5,100	5,100	5,100	5,200	5,300	5,300	5,400	5,400	5,400	5,200
Residual-Other Telecommunications	3,700	3,500	3,500	3,600	3,700	3,900	3,700	3,700	3,600	3,800	4,000	4,000	3,700
Residual-Other Information Services	4,400	4,400	4,300	4,200	4,000	3,800	4,000	4,000	4,300	3,800	3,700	3,700	4,100
Financial Activities	49,000	49,400	49,600	49,200	49,300	49,400	48,700	49,000	48,800	47,500	47,900	48,600	48,900
Finance and Insurance	36,800	37,100	37,200	37,200	37,300	37,300	36,400	36,600	36,600	35,300	35,500	35,900	36,600
Credit Intermediation and Related Activities	15,200	15,300	15,400	15,600	15,600	15,600	14,600	14,600	14,700	13,000	13,100	13,300	14,700
Depository Credit Intermediation	8,300	8,400	8,400	8,400	8,400	8,400	8,200	8,300	8,400	8,400	8,500	8,700	8,400
Nondepository Credit Intermediation	4,000	4,000	4,000	4,200	4,300	4,300	4,400	4,000	4,000	4,000	3,800	3,800	4,100
Activities Related to Credit Intermediation	2,900	2,900	3,000	3,000	2,900	2,900	2,000	2,300	2,300	600	800	800	2,200
Residual-Other Finance	21,600	21,800	21,800	21,600	21,700	21,700	21,800	22,000	21,900	22,300	22,400	22,600	21,900
Insurance Carriers and Related	18,200	18,300	18,300	18,200	18,200	18,200	18,300	18,400	18,300	18,500	18,700	18,900	18,400
Real Estate and Rental and Leasing	12,200	12,300	12,400	12,000	12,000	12,100	12,300	12,400	12,200	12,200	12,400	12,700	12,300
Real Estate	7,800	7,900	8,000	7,900	7,900	8,000	8,000	8,000	8,100	8,100	8,200	8,300	8,000
Residual-Rental and Leasing Services	4,400	4,400	4,400	4,100	4,100	4,100	4,300	4,400	4,100	4,100	4,200	4,400	4,300

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Professional and Business Services	91,700	93,100	94,900	96,000	96,200	98,200	97,400	98,100	97,800	96,600	97,100	97,600	96,200
Professional, Scientific and Technical Services	34,400	35,500	35,500	36,500	36,000	36,700	36,200	36,900	36,700	36,700	36,900	37,800	36,300
Accounting, Tax Preparation and Bookkeeping Services	5,300	5,400	5,400	5,200	4,500	4,400	4,400	4,400	4,400	4,400	4,400	5,000	4,800
Architectural, Engineering and Related Services	6,900	6,900	7,000	7,300	7,300	7,400	7,600	7,600	7,700	7,500	7,500	7,600	7,400
Computer Systems Design and Related Services	6,700	6,800	6,900	7,300	7,400	7,700	7,500	7,700	7,700	7,800	7,800	7,900	7,400
Residual-Other Professional, Scientific and Technical Services	15,500	16,400	16,200	16,700	16,800	17,200	16,700	17,200	16,900	17,000	17,200	17,300	16,800
Management of Companies and Enterprises	12,600	12,500	12,700	12,400	12,400	12,500	12,200	12,300	12,300	12,000	12,000	12,000	12,300
Administrative and Support and Waste Services	44,700	45,100	46,700	47,100	47,800	49,000	49,000	48,900	48,800	47,900	48,200	47,800	47,600
Administrative and Support Services	43,300	43,700	45,300	45,600	46,300	47,400	47,300	47,300	47,100	46,300	46,600	46,200	46,000
Employment Services	21,500	21,800	22,000	22,700	22,900	23,300	23,800	23,600	23,700	23,100	23,800	23,500	23,000
Investigation and Security Services	7,600	7,700	7,700	7,600	7,600	7,700	7,700	7,800	7,700	7,500	7,500	7,400	7,600
Services to Buildings and Dwellings	8,100	8,200	8,500	9,100	9,300	9,600	9,400	9,400	9,400	9,300	9,200	9,100	9,100
Residual-Other Support Services	6,100	6,000	7,100	6,200	6,500	6,800	6,400	6,500	6,300	6,400	6,100	6,200	6,400
Waste Management and Remediation Services	1,400	1,400	1,400	1,500	1,500	1,600	1,700	1,600	1,700	1,600	1,600	1,600	1,600
Educational and Health Services	63,400	63,600	63,600	63,800	63,800	64,100	65,300	65,300	66,100	67,700	67,900	68,500	65,300
Educational Services	7,400	7,400	7,400	7,600	7,900	7,800	7,900	7,500	8,200	7,600	7,500	7,400	7,600
Health Care and Social Assistance	56,000	56,200	56,200	56,200	55,900	56,300	57,400	57,800	57,900	60,100	60,400	61,100	57,600
Ambulatory Health Care Services	23,700	23,500	23,600	23,400	23,500	23,600	23,800	24,000	24,100	24,500	24,500	24,800	23,900
Hospitals	16,200	16,300	16,300	16,400	16,300	16,200	16,200	16,300	16,500	16,600	16,800	16,900	16,400
Nursing and Residential Care Facilities	8,800	9,000	9,000	8,900	8,900	8,900	8,800	8,800	8,700	8,800	8,900	9,000	8,900
Social Assistance	7,300	7,400	7,300	7,500	7,200	7,600	8,600	8,700	8,600	10,200	10,200	10,400	8,400
Leisure and Hospitality	61,800	62,600	63,100	63,400	63,200	65,400	65,900	66,100	65,400	64,500	65,500	67,000	64,500
Arts, Entertainment, and Recreation	9,200	9,600	9,700	9,500	9,500	10,900	10,500	10,100	9,200	9,300	10,200	11,100	9,900
Accommodation and Food Service	52,600	53,000	53,400	53,900	53,700	54,500	55,400	56,000	56,200	55,200	55,300	55,900	54,600
Accommodation	7,200	7,400	7,400	7,500	7,000	7,400	7,500	7,500	7,300	6,900	7,100	7,500	7,300
Food Services and Drinking Places	45,400	45,600	46,000	46,400	46,700	47,100	47,900	48,500	48,900	48,300	48,200	48,400	47,300
Full-Service Restaurants	21,000	21,300	21,700	21,600	21,700	22,200	22,900	23,500	23,000	22,200	22,200	22,900	22,200
Limited-Service Eating Places	22,400	22,600	23,000	23,400	23,700	23,900	23,400	23,700	23,800	22,800	22,800	23,300	23,200
Residual-Special Food Services	2,000	1,700	1,300	1,400	1,300	1,000	1,600	1,300	2,100	3,300	3,200	2,200	1,900

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Other Services	24,000	24,600	24,900	24,800	25,200	25,500	25,100	25,000	25,600	25,000	24,900	25,000	25,000
Repair and Maintenance	8,700	8,800	9,000	9,000	9,200	9,300	9,300	9,300	9,400	9,300	9,200	9,200	9,100
Residual-Personal and Laundry Services	15,300	15,800	15,900	15,800	16,000	16,200	15,800	15,700	16,200	15,700	15,700	15,800	15,800
Government	177,800	180,100	182,500	182,100	185,500	185,500	176,400	178,600	180,200	182,000	183,100	183,000	181,400
Federal Government	13,200	13,100	13,300	13,200	15,100	15,000	13,400	13,600	11,800	11,100	10,900	11,000	12,900
Department of Defense	4,500	4,400	4,300	4,200	4,100	4,000	3,800	3,700	3,400	2,700	2,600	2,600	3,700
Other Federal Government	8,700	8,700	9,000	9,000	11,000	11,000	9,600	9,900	8,400	8,400	8,300	8,400	9,200
State and Local Government	164,600	167,000	169,200	168,900	170,400	170,500	163,000	165,000	168,400	170,900	172,200	172,000	168,500
State Government	80,700	81,300	81,700	81,800	81,800	81,500	81,400	81,700	82,000	82,800	83,300	83,400	82,000
State Government Education	4,900	5,400	5,600	5,600	5,400	5,200	4,600	4,700	5,200	5,700	5,900	5,800	5,300
Other State Government	75,800	75,900	76,100	76,200	76,400	76,300	76,800	77,000	76,800	77,100	77,400	77,600	76,600
Local Government	83,900	85,700	87,500	87,100	88,600	89,000	81,600	83,300	86,400	88,100	88,900	88,600	86,600
Local Government Education	52,300	53,900	55,200	54,900	55,700	55,400	47,900	49,400	52,800	54,900	55,900	55,700	53,700
County	16,800	17,000	17,300	17,200	17,700	17,700	17,400	17,600	17,800	17,700	17,800	17,800	17,500
City	8,100	8,100	8,200	8,200	8,300	8,600	8,900	8,900	8,700	8,500	8,300	8,300	8,400
Other Local Government	6,700	6,700	6,800	6,800	6,900	7,300	7,400	7,400	7,100	7,000	6,900	6,800	7,000

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	717,900	721,200	729,700	730,500	733,000	739,400	739,500	741,500	738,400	738,900	744,600	748,300	735,200
Total Farm	3,700	3,900	3,600	3,700	4,400	4,400	5,500	4,400	4,300	3,700	3,200	3,300	4,000
Total Nonfarm	714,200	717,300	726,100	726,800	728,600	735,000	734,000	737,100	734,100	735,200	741,400	745,000	731,200
Total Private	532,600	534,200	539,800	539,200	541,200	547,000	548,300	549,600	543,800	544,300	548,700	552,200	543,400
Goods Producing	94,300	94,900	96,900	98,300	100,600	103,000	103,300	103,700	102,400	101,700	99,900	98,300	99,800
Natural Resources and Mining	500	500	500	600	600	600	600	600	600	600	500	500	600
Construction	48,800	49,400	51,300	53,200	55,200	57,200	57,800	59,100	58,100	57,300	56,100	54,600	54,800
Construction of Buildings	11,000	11,200	11,400	11,500	11,800	12,300	12,200	12,500	12,100	12,100	12,000	11,800	11,800
Heavy and Civil Engineering Construction	4,600	4,500	4,900	5,300	5,700	6,000	6,000	6,300	6,100	6,100	5,700	5,100	5,500
Specialty Trade Contractors	33,200	33,700	35,000	36,400	37,700	38,900	39,600	40,300	39,900	39,100	38,400	37,700	37,500
Building Foundation and Exterior Contractors	8,800	9,200	9,700	10,300	10,500	10,700	10,700	10,800	10,600	10,300	10,000	9,500	10,100
Building Equipment Contractors	11,900	12,100	12,200	12,300	12,500	12,900	13,000	13,300	13,100	12,800	12,700	12,500	12,600
Building Finishing Contractors	9,400	9,300	9,700	10,300	10,900	11,400	11,700	11,900	12,000	11,900	11,800	11,800	11,000
Other Specialty Trade Contract	3,100	3,100	3,400	3,500	3,800	3,900	4,200	4,300	4,200	4,100	3,900	3,900	3,800
Manufacturing	45,000	45,000	45,100	44,500	44,800	45,200	44,900	44,000	43,700	43,800	43,300	43,200	44,400
Durable Goods	32,700	32,900	33,000	32,400	32,900	33,300	33,200	32,400	31,900	32,100	31,500	31,500	32,500
Computer and Electronic Product Manufacturing	16,100	16,300	16,300	15,800	15,900	16,000	16,100	15,000	14,600	14,700	14,200	14,100	15,400
Computer and Peripheral Equipment Manufacturing	6,700	6,700	6,600	6,500	6,600	6,700	6,700	5,800	5,500	5,600	5,200	5,100	6,100
Semiconductor and Electronic Component Manufacturing	6,600	6,700	6,800	6,800	6,900	6,800	6,900	6,700	6,500	6,600	6,500	6,500	6,700
Residual-Communications Equipment Manufacturing	2,800	2,900	2,900	2,500	2,400	2,500	2,500	2,500	2,600	2,500	2,500	2,500	2,600
Residual-Miscellaneous Manufacturing	16,600	16,600	16,700	16,600	17,000	17,300	17,100	17,400	17,300	17,400	17,300	17,400	17,100
Nondurable Goods	12,300	12,100	12,100	12,100	11,900	11,900	11,700	11,600	11,800	11,700	11,800	11,700	11,900
Food Manufacturing	4,500	4,200	4,200	4,300	4,100	4,200	4,100	4,000	4,300	4,400	4,500	4,400	4,300
Residual-Beverage and Tobacco Product Mfg	7,800	7,900	7,900	7,800	7,800	7,700	7,600	7,600	7,500	7,300	7,300	7,300	7,600
Service Providing	619,900	622,400	629,200	628,500	628,000	632,000	630,700	633,400	631,700	633,500	641,500	646,700	631,500
Trade, Transportation and Utilities	119,700	118,000	118,300	118,000	118,300	120,000	119,500	119,500	119,700	120,000	123,400	125,400	120,000
Wholesale Trade	20,800	21,100	21,200	21,400	21,300	21,500	21,600	21,700	21,600	21,600	21,600	21,500	21,400
Merchant Wholesalers, Durable Goods	12,100	12,200	12,300	12,300	12,300	12,400	12,500	12,500	12,500	12,500	12,500	12,300	12,400
Merchant Wholesalers, Nondurable Goods	6,600	6,700	6,700	6,800	6,700	6,700	6,800	6,700	6,700	6,600	6,500	6,600	6,700
Wholesale Electronic Markets and Agents and Brokers	2,100	2,200	2,200	2,300	2,300	2,400	2,300	2,500	2,400	2,500	2,600	2,600	2,400

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	82,600	80,800	80,900	81,100	81,600	82,800	82,400	82,300	82,700	83,000	86,500	88,500	82,900
Motor Vehicle and Parts Dealer	12,400	12,400	12,500	12,700	12,900	13,100	13,000	12,900	13,000	12,500	12,500	12,600	12,700
Building Material and Garden Equipment Stores	7,200	7,200	7,300	7,800	7,800	8,000	7,900	7,700	7,600	7,600	7,600	7,700	7,600
Food and Beverage Stores	15,900	15,900	16,000	16,200	16,300	16,600	16,300	16,200	16,500	16,700	17,300	17,000	16,400
Grocery Stores	13,700	13,800	13,800	14,000	14,100	14,400	14,100	14,000	14,300	14,400	14,900	14,500	14,200
Residual-Specialty Food Stores	2,200	2,100	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,300	2,400	2,500	2,200
Health and Personal Care Stores	4,600	4,500	4,600	4,500	4,600	4,600	4,600	4,600	4,600	4,500	4,500	4,600	4,600
Clothing and Clothing Accessories Stores	7,400	6,800	6,800	6,600	6,600	6,900	7,000	7,000	6,800	6,800	7,500	8,100	7,000
Sporting Goods, Hobby, Book and Music Stores	4,700	4,600	4,700	4,400	4,300	4,300	4,400	4,400	4,400	4,400	4,700	5,100	4,500
General Merchandise Stores	12,500	11,600	11,300	11,300	11,400	11,700	11,800	11,600	11,900	12,300	13,700	14,500	12,100
Residual-Miscellaneous Store Retailers	17,900	17,800	17,700	17,600	17,700	17,600	17,400	17,900	17,900	18,200	18,700	18,900	17,900
Transportation, Warehousing and Utilities	16,300	16,100	16,200	15,500	15,400	15,700	15,500	15,500	15,400	15,400	15,300	15,400	15,600
Information	19,600	19,700	20,100	20,800	20,900	20,900	21,700	22,000	21,900	22,600	22,600	22,600	21,300
Publishing Industries (except Internet)	4,400	4,300	4,500	4,400	4,400	4,400	4,300	4,300	4,200	4,500	4,400	4,400	4,400
Telecommunications	9,000	8,900	8,900	9,900	9,900	9,900	10,700	11,000	11,200	11,600	11,600	11,600	10,400
Telecommunications Resellers	5,400	5,400	5,300	5,400	5,400	5,400	5,900	5,900	5,800	5,800	5,700	5,600	5,600
Residual-Other Telecommunications	3,600	3,500	3,600	4,500	4,500	4,500	4,800	5,100	5,400	5,800	5,900	6,000	4,800
Residual-Other Information Services	6,200	6,500	6,700	6,500	6,600	6,600	6,700	6,700	6,500	6,500	6,600	6,600	6,600
Financial Activities	48,400	48,800	49,200	48,800	48,900	49,300	49,300	49,700	49,300	49,800	50,000	50,300	49,300
Finance and Insurance	36,200	36,600	36,900	36,600	36,600	36,800	36,800	37,100	36,900	37,500	37,700	38,000	37,000
Credit Intermediation and Related Activities	13,500	13,700	13,800	13,700	13,700	13,800	13,600	13,800	13,800	14,200	14,300	14,600	13,900
Depository Credit Intermediation	8,400	8,500	8,600	8,400	8,300	8,400	8,400	8,500	8,500	8,800	8,800	8,900	8,500
Nondepository Credit Intermediation	4,300	4,300	4,300	4,400	4,400	4,500	4,400	4,400	4,400	4,400	4,500	4,600	4,400
Activities Related to Credit Intermediation	800	900	900	900	1,000	900	800	900	900	1,000	1,000	1,100	900
Residual-Other Finance	3,900	3,900	4,000	3,800	3,800	3,900	4,000	4,000	4,000	3,900	4,000	3,900	3,900
Insurance Carriers and Related	18,800	19,000	19,100	19,100	19,100	19,100	19,200	19,300	19,100	19,400	19,400	19,500	19,200
Real Estate and Rental and Leasing	12,200	12,200	12,300	12,200	12,300	12,500	12,500	12,600	12,400	12,300	12,300	12,300	12,300
Real Estate	8,100	8,100	8,100	8,100	8,200	8,300	8,300	8,400	8,300	8,200	8,200	8,200	8,200
Residual-Rental and Leasing Services	4,100	4,100	4,200	4,100	4,100	4,200	4,200	4,200	4,100	4,100	4,100	4,100	4,100

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Professional and Business Services	90,600	91,300	92,300	90,700	90,900	91,100	91,800	91,300	89,600	88,600	88,800	89,000	90,500
Professional, Scientific and Technical Services	37,600	38,000	38,200	37,900	37,200	37,300	37,100	37,100	36,900	36,800	36,900	37,400	37,400
Accounting, Tax Preparation and Bookkeeping Services	5,300	5,500	5,500	5,500	4,800	4,700	4,600	4,600	4,500	4,700	4,700	5,100	5,000
Architectural, Engineering and Related Services	7,600	7,600	7,800	7,600	7,700	7,800	7,900	7,900	7,900	7,500	7,500	7,400	7,700
Computer Systems Design and Related Services	7,800	8,000	8,000	7,600	7,500	7,400	7,200	7,200	7,100	7,000	7,000	7,000	7,400
Residual-Other Professional, Scientific and Technical Services	16,900	16,900	16,900	17,200	17,200	17,400	17,400	17,400	17,400	17,600	17,700	17,900	17,300
Management of Companies and Enterprises	11,800	11,800	11,800	11,100	11,000	10,600	10,500	10,400	10,100	9,300	9,500	9,400	10,600
Administrative and Support and Waste Services	41,200	41,500	42,300	41,700	42,700	43,200	44,200	43,800	42,600	42,500	42,400	42,200	42,500
Administrative and Support Services	39,600	40,000	40,800	40,100	41,100	41,600	42,500	42,200	41,100	41,000	40,900	40,700	41,000
Employment Services	19,700	20,000	20,600	19,800	20,300	20,200	20,500	20,200	19,600	20,000	19,900	19,600	20,000
Investigation and Security Services	4,700	4,600	4,500	4,200	4,400	4,300	4,600	4,400	4,300	4,200	4,400	4,800	4,500
Services to Buildings and Dwellings	8,700	8,700	8,900	9,400	9,700	10,000	10,200	10,300	10,200	9,900	9,900	9,800	9,600
Residual-Other Support Services	6,500	6,700	6,800	6,700	6,700	7,100	7,200	7,300	7,000	6,900	6,700	6,500	6,800
Waste Management and Remediation Services	1,600	1,500	1,500	1,600	1,600	1,600	1,700	1,600	1,500	1,500	1,500	1,500	1,600
Educational and Health Services	68,300	68,800	69,500	70,300	71,200	70,800	69,900	70,300	70,800	71,000	72,100	71,100	70,300
Educational Services	9,200	8,800	9,000	8,600	8,900	8,300	7,900	7,800	8,800	9,200	10,100	8,700	8,800
Health Care and Social Assistance	59,100	60,000	60,500	61,700	62,300	62,500	62,000	62,500	62,000	61,800	62,000	62,400	61,600
Ambulatory Health Care Services	24,200	24,400	24,600	24,700	25,100	24,900	24,900	24,900	24,600	24,400	24,400	24,500	24,600
Hospitals	15,700	16,000	16,300	16,800	17,000	17,100	16,900	17,000	16,900	16,800	16,800	17,000	16,700
Nursing and Residential Care Facilities	9,200	9,400	9,400	9,600	9,600	9,800	9,600	9,800	9,600	9,900	10,000	10,100	9,700
Social Assistance	10,000	10,200	10,200	10,600	10,600	10,700	10,600	10,800	10,900	10,700	10,800	10,800	10,600
Leisure and Hospitality	66,800	67,300	67,900	66,500	64,300	65,500	66,600	67,000	64,100	64,300	65,700	69,300	66,300
Arts, Entertainment, and Recreation	12,100	12,100	12,100	11,500	9,600	9,800	10,800	10,800	9,400	9,300	10,300	12,500	10,900
Accommodation and Food Service	54,700	55,200	55,800	55,000	54,700	55,700	55,800	56,200	54,700	55,000	55,400	56,800	55,400
Accommodation	7,500	7,600	7,500	7,200	6,500	6,800	7,200	7,200	6,800	6,600	6,700	7,400	7,100
Food Services and Drinking Places	47,200	47,600	48,300	47,800	48,200	48,900	48,600	49,000	47,900	48,400	48,700	49,400	48,300
Full-Service Restaurants	22,100	22,200	22,400	22,200	22,400	22,900	22,600	22,700	22,300	22,300	22,700	22,800	22,500
Limited-Service Eating Places	23,000	23,300	23,700	23,300	23,500	23,700	23,700	24,000	23,400	23,900	23,900	24,200	23,600
Residual-Special Food Services	2,100	2,100	2,200	2,300	2,300	2,300	2,300	2,300	2,200	2,200	2,100	2,400	2,200
Other Services	24,900	25,400	25,600	25,800	26,100	26,400	26,200	26,100	26,000	26,300	26,200	26,200	25,900
Repair and Maintenance	9,200	9,300	9,300	9,500	9,500	9,700	9,500	9,500	9,400	9,300	9,200	9,100	9,400
Residual-Personal and Laundry Services	15,700	16,100	16,300	16,300	16,600	16,700	16,700	16,600	16,600	17,000	17,000	17,100	16,600

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Government	181,600	183,100	186,300	187,600	187,400	188,000	185,700	187,500	190,300	190,900	192,700	192,800	187,800
Federal Government	10,900	10,700	10,600	10,300	10,100	10,300	10,400	10,300	10,300	10,100	10,100	10,200	10,400
Department of Defense	2,600	2,500	2,400	2,200	2,000	2,000	1,900	1,800	1,800	1,800	1,800	1,800	2,100
Other Federal Government	8,300	8,200	8,200	8,100	8,100	8,300	8,500	8,500	8,500	8,300	8,300	8,400	8,300
State and Local Government	170,700	172,400	175,700	177,300	177,300	177,700	175,300	177,200	180,000	180,800	182,600	182,600	177,500
State Government	83,100	84,000	85,300	85,900	86,100	86,300	86,500	86,800	87,300	87,500	88,100	88,000	86,200
State Government Education	5,300	5,600	5,800	5,900	5,900	5,700	5,000	5,100	5,600	6,100	6,300	6,200	5,700
Other State Government	77,800	78,400	79,500	80,000	80,200	80,600	81,500	81,700	81,700	81,400	81,800	81,800	80,500
Local Government	87,600	88,400	90,400	91,400	91,200	91,400	88,800	90,400	92,700	93,300	94,500	94,600	91,200
Local Government Education	54,800	55,500	56,900	57,300	57,500	56,900	53,100	54,800	57,600	58,300	59,800	59,600	56,800
County	17,900	17,900	18,200	18,600	18,300	18,400	18,600	18,600	18,700	18,800	18,800	19,000	18,500
City	8,300	8,400	8,400	8,500	8,500	8,800	9,500	9,500	9,100	9,100	9,000	8,900	8,800
Other Local Government	6,600	6,600	6,900	7,000	6,900	7,300	7,600	7,500	7,300	7,100	6,900	7,100	7,100

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	731,800	733,400	743,000	744,100	750,100	753,600	748,300	750,100	751,500	751,800	753,600	753,400	747,100
Total Farm	3,000	3,000	3,100	3,300	3,800	3,600	4,500	4,300	3,900	3,000	2,600	2,600	3,400
Total Nonfarm	728,800	730,400	739,900	740,800	746,300	750,000	743,800	745,800	747,600	748,800	751,000	750,800	743,700
Total Private	537,800	538,000	542,600	543,300	547,800	552,400	550,100	551,500	551,700	551,800	554,000	552,900	547,800
Goods Producing	94,200	94,200	95,400	96,700	98,800	100,000	98,600	99,800	99,700	98,400	97,400	96,000	97,400
Natural Resources and Mining	500	500	500	500	500	500	600	600	600	600	600	600	600
Construction	51,800	52,300	53,300	54,500	56,400	57,600	57,800	59,000	58,900	58,000	57,500	56,400	56,100
Construction of Buildings	11,300	11,300	11,500	11,500	11,800	11,900	11,700	11,900	11,900	11,600	11,700	11,300	11,600
Heavy and Civil Engineering Construction	4,900	4,900	5,000	5,400	5,600	5,800	6,100	6,100	6,100	6,100	5,900	5,700	5,600
Specialty Trade Contractors	35,600	36,100	36,800	37,600	39,000	39,900	40,000	41,000	40,900	40,300	39,900	39,400	38,900
Building Foundation and Exterior Contractors	8,900	9,100	9,300	9,400	9,700	10,000	10,300	10,800	10,900	10,700	10,400	10,600	10,000
Building Equipment Contractors	11,900	12,000	12,200	12,600	12,900	13,100	13,000	13,300	13,000	12,700	12,800	12,300	12,700
Building Finishing Contractors	11,400	11,500	11,700	12,000	12,400	12,700	12,700	12,700	12,900	13,000	12,800	12,600	12,400
Other Specialty Trade Contract	3,400	3,500	3,600	3,600	4,000	4,100	4,000	4,200	4,100	3,900	3,900	3,900	3,900
Manufacturing	41,900	41,400	41,600	41,700	41,900	41,900	40,200	40,200	40,200	39,800	39,300	39,000	40,800
Durable Goods	30,600	30,000	30,200	30,300	30,400	30,400	28,700	28,700	28,400	28,100	27,900	27,500	29,300
Computer and Electronic Product Manufacturing	13,500	13,400	13,400	13,500	13,700	13,500	12,000	11,700	11,500	11,300	11,200	11,100	12,500
Computer and Peripheral Equipment Manufacturing	4,600	4,500	4,500	4,600	4,600	4,600	4,500	4,300	4,200	4,000	4,000	3,900	4,400
Semiconductor and Electronic Component Manufacturing	6,300	6,300	6,300	6,400	6,500	6,400	5,100	5,100	5,000	5,000	5,000	4,900	5,700
Residual-Communications Equipment Manufacturing	2,600	2,600	2,600	2,500	2,600	2,500	2,400	2,300	2,300	2,300	2,200	2,300	2,400
Residual-Miscellaneous Manufacturing	17,100	16,600	16,800	16,800	16,700	16,900	16,700	17,000	16,900	16,800	16,700	16,400	16,800
Nondurable Goods	11,300	11,400	11,400	11,400	11,500	11,500	11,500	11,500	11,800	11,700	11,400	11,500	11,500
Food Manufacturing	4,200	4,100	4,100	4,000	4,100	4,000	4,100	4,100	4,400	4,300	4,100	4,300	4,200
Residual-Beverage and Tobacco Product Mfg	7,100	7,300	7,300	7,400	7,400	7,500	7,400	7,400	7,400	7,400	7,300	7,200	7,300
Service Providing	634,600	636,200	644,500	644,100	647,500	650,000	645,200	646,000	647,900	650,400	653,600	654,800	646,200
Trade, Transportation and Utilities	118,200	117,100	118,100	118,700	119,200	120,600	121,300	121,700	122,100	122,800	123,900	125,100	120,700
Wholesale Trade	20,900	21,100	21,300	21,300	21,300	21,400	21,400	21,600	21,500	21,600	21,300	21,300	21,300
Merchant Wholesalers, Durable Goods	11,900	11,900	12,000	12,100	12,100	12,100	12,200	12,300	12,300	12,300	12,200	12,100	12,100
Merchant Wholesalers, Nondurable Goods	6,400	6,400	6,500	6,400	6,400	6,500	6,400	6,500	6,400	6,400	6,300	6,400	6,400
Wholesale Electronic Markets and Agents and Brokers	2,600	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,900	2,800	2,800	2,800

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	83,000	81,700	82,500	82,500	82,800	83,900	84,300	84,500	85,200	85,800	87,400	88,900	84,400
Motor Vehicle and Parts Dealer	12,600	12,700	12,900	12,600	12,700	12,800	12,800	12,800	12,900	12,900	12,700	12,700	12,800
Building Material and Garden Equipment Stores	7,100	7,200	7,600	8,000	8,200	8,500	8,200	8,200	8,500	8,500	8,400	8,200	8,100
Food and Beverage Stores	16,400	16,400	16,500	16,600	16,400	16,700	17,300	17,400	17,500	17,300	17,300	17,400	16,900
Grocery Stores	14,200	14,200	14,300	14,400	14,200	14,500	15,100	15,200	15,200	15,000	15,000	15,000	14,700
Residual-Specialty Food Stores	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,300	2,300	2,300	2,400	2,200
Health and Personal Care Stores	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,400	4,500	4,400	4,300	4,300	4,500
Clothing and Clothing Accessories Stores	7,400	6,900	7,000	6,800	6,900	7,100	7,400	7,400	7,300	7,300	7,700	8,000	7,300
Sporting Goods, Hobby, Book and Music Stores	4,600	4,400	4,400	4,400	4,300	4,300	4,200	4,300	4,300	4,400	4,600	5,000	4,400
General Merchandise Stores	12,400	11,700	11,700	11,900	12,000	12,000	12,300	12,300	12,500	12,900	13,900	14,500	12,500
Residual-Miscellaneous Store Retailers	18,000	17,900	17,900	17,700	17,800	18,000	17,600	17,700	17,700	18,100	18,500	18,800	18,000
Transportation, Warehousing and Utilities	14,300	14,300	14,300	14,900	15,100	15,300	15,600	15,600	15,400	15,400	15,200	14,900	15,000
Information	22,900	22,600	22,500	22,400	22,500	22,300	21,800	21,300	21,100	21,100	21,200	20,800	21,900
Publishing Industries (except Internet)	4,500	4,500	4,600	4,600	4,600	4,500	4,700	4,700	4,700	4,700	4,800	4,800	4,600
Telecommunications	11,500	11,500	11,300	11,200	11,100	10,900	10,400	9,900	9,800	9,700	9,700	9,400	10,500
Telecommunications Resellers	5,900	5,900	5,900	5,900	5,900	5,800	5,400	5,200	5,100	5,100	5,100	4,800	5,500
Residual-Other Telecommunications	5,600	5,600	5,400	5,300	5,200	5,100	5,000	4,700	4,700	4,600	4,600	4,600	5,000
Residual-Other Information Services	6,900	6,600	6,600	6,600	6,800	6,900	6,700	6,700	6,600	6,700	6,700	6,600	6,700
Financial Activities	49,800	50,100	50,400	50,800	50,700	50,800	51,600	51,800	51,800	52,400	52,800	52,900	51,300
Finance and Insurance	37,800	38,100	38,300	38,600	38,600	38,700	39,200	39,400	39,500	40,000	40,500	40,800	39,100
Credit Intermediation and Related Activities	14,900	15,100	15,100	15,000	15,000	15,000	15,100	15,100	15,200	15,400	15,600	15,700	15,200
Depository Credit Intermediation	8,800	8,900	8,800	8,800	8,800	8,900	8,900	9,000	9,000	9,100	9,300	9,300	9,000
Nondepository Credit Intermediation	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,500	4,500	4,600	4,600	4,700	4,600
Activities Related to Credit Intermediation	1,500	1,600	1,700	1,600	1,600	1,500	1,600	1,600	1,700	1,700	1,700	1,700	1,600
Residual-Other Finance	3,800	3,800	3,800	4,100	4,100	4,200	4,200	4,300	4,200	4,300	4,300	4,400	4,100
Insurance Carriers and Related	19,100	19,200	19,400	19,500	19,500	19,500	19,900	20,000	20,100	20,300	20,600	20,700	19,800
Real Estate and Rental and Leasing	12,000	12,000	12,100	12,200	12,100	12,100	12,400	12,400	12,300	12,400	12,300	12,100	12,200
Real Estate	8,200	8,300	8,300	8,400	8,400	8,400	8,500	8,500	8,400	8,500	8,400	8,100	8,400
Residual-Rental and Leasing Services	3,800	3,700	3,800	3,800	3,700	3,700	3,900	3,900	3,900	3,900	3,900	4,000	3,800

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Professional and Business Services	85,900	86,900	89,100	87,600	87,500	88,900	89,400	89,300	90,000	89,900	90,200	89,800	88,700
Professional, Scientific and Technical Services	37,500	37,500	38,100	37,800	37,000	37,600	37,600	37,800	37,600	37,500	37,700	37,600	37,600
Accounting, Tax Preparation and Bookkeeping Services	5,500	5,600	5,600	5,500	4,700	4,700	4,500	4,500	4,500	4,500	4,500	4,800	4,900
Architectural, Engineering and Related Services	7,300	7,300	7,300	7,200	7,200	7,400	7,400	7,400	7,500	7,500	7,600	7,400	7,400
Computer Systems Design and Related Services	6,900	6,900	6,900	6,900	7,000	7,000	6,900	6,900	6,800	6,800	6,700	6,700	6,900
Residual-Other Professional, Scientific and Technical Services	17,800	17,700	18,300	18,200	18,100	18,500	18,800	19,000	18,800	18,700	18,900	18,700	18,500
Management of Companies and Enterprises	9,200	9,100	9,100	9,000	8,900	9,000	9,100	9,000	8,800	8,900	8,800	8,700	9,000
Administrative and Support and Waste Services	39,200	40,300	41,900	40,800	41,600	42,300	42,700	42,500	43,600	43,500	43,700	43,500	42,100
Administrative and Support Services	37,800	38,900	40,400	39,500	40,200	40,900	41,300	41,000	42,100	42,000	42,200	42,000	40,700
Employment Services	18,300	19,100	19,800	18,700	19,200	19,700	20,000	19,500	20,300	20,100	20,900	20,800	19,700
Investigation and Security Services	4,300	4,300	4,700	4,500	4,400	4,400	4,300	4,300	4,300	4,300	4,200	4,300	4,400
Services to Buildings and Dwellings	8,900	9,100	9,400	9,700	10,000	10,000	10,100	10,200	10,700	10,800	10,500	10,400	10,000
Residual/Other Support Services	6,300	6,400	6,500	6,600	6,600	6,800	6,900	7,000	6,800	6,800	6,600	6,500	6,700
Waste Management and Remediation Services	1,400	1,400	1,500	1,300	1,400	1,400	1,400	1,500	1,500	1,500	1,500	1,500	1,400
Educational and Health Services	72,500	71,400	71,700	71,900	73,700	72,600	70,400	70,900	71,800	72,500	73,100	72,400	72,100
Educational Services	10,500	9,200	9,100	9,500	11,100	9,700	9,200	8,400	9,300	9,600	9,800	9,100	9,500
Health Care and Social Assistance	62,000	62,200	62,600	62,400	62,600	62,900	61,200	62,500	62,500	62,900	63,300	63,300	62,500
Ambulatory Health Care Services	23,900	24,100	24,400	24,400	24,600	24,700	24,000	25,100	25,100	25,200	25,400	25,300	24,700
Hospitals	16,900	16,900	17,100	16,900	16,900	16,900	16,100	16,200	16,200	16,400	16,500	16,600	16,600
Nursing and Residential Care Facilities	10,400	10,300	10,200	10,100	10,000	10,200	10,200	10,300	10,300	10,400	10,500	10,600	10,300
Social Assistance	10,800	10,900	10,900	11,000	11,100	11,100	10,900	10,900	10,900	10,900	10,900	10,800	10,900
Leisure and Hospitality	68,500	69,300	69,400	69,200	68,400	70,500	70,000	70,200	68,700	68,100	68,800	69,500	69,200
Arts, Entertainment, and Recreation	12,600	12,700	12,600	11,000	10,100	11,000	11,000	10,600	9,800	10,200	11,000	11,900	11,200
Accommodation and Food Service	55,900	56,600	56,800	58,200	58,300	59,500	59,000	59,600	58,900	57,900	57,800	57,600	58,000
Accommodation	7,700	7,600	7,600	7,800	7,600	8,100	8,000	8,000	7,700	7,400	7,500	7,600	7,700
Food Services and Drinking Places	48,200	49,000	49,200	50,400	50,700	51,400	51,000	51,600	51,200	50,500	50,300	50,000	50,300
Full-Service Restaurants	22,500	22,700	22,800	23,300	23,500	23,900	24,100	24,400	24,100	23,700	23,600	23,300	23,500
Limited-Service Eating Places	23,600	24,100	24,300	25,000	25,100	25,300	24,700	24,900	24,800	24,600	24,500	24,200	24,600
Residual-Special Food Services	2,100	2,200	2,100	2,100	2,100	2,200	2,200	2,300	2,300	2,200	2,200	2,500	2,200
Other Services	25,800	26,400	26,000	26,000	27,000	26,700	27,000	26,500	26,500	26,600	26,600	26,400	26,500
Repair and Maintenance	9,000	9,000	8,500	8,800	8,800	8,900	8,800	8,800	8,800	8,800	8,800	8,500	8,800
Residual-Personal and Laundry Services	16,800	17,400	17,500	17,200	18,200	17,800	18,200	17,700	17,700	17,800	17,800	17,900	17,700

*March 2002 Benchmark figures.

Sacramento MSA
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Government	191,000	192,400	197,300	197,500	198,500	197,600	193,700	194,300	195,900	197,000	197,000	197,900	195,800
Federal Government	10,200	10,000	10,100	10,000	10,100	10,500	10,500	10,500	10,500	10,600	10,700	10,600	10,400
Department of Defense	1,800	1,800	1,800	1,900	1,900	1,900	1,900	1,900	1,900	1,800	1,800	1,800	1,900
Other Federal Government	8,400	8,200	8,300	8,100	8,200	8,600	8,600	8,600	8,600	8,800	8,900	8,800	8,500
State and Local Government	180,800	182,400	187,200	187,500	188,400	187,100	183,200	183,800	185,400	186,400	186,300	187,300	185,500
State Government	87,300	87,700	88,500	88,600	88,300	87,600	87,100	86,900	87,100	87,500	87,500	87,500	87,600
State Government Education	5,400	5,800	6,100	6,300	6,300	5,900	5,300	5,200	5,700	6,500	6,600	6,500	6,000
Other State Government	81,900	81,900	82,400	82,300	82,000	81,700	81,800	81,700	81,400	81,000	80,900	81,000	81,700
Local Government	93,500	94,700	98,700	98,900	100,100	99,500	96,100	96,900	98,300	98,900	98,800	99,800	97,900
Local Government Education	58,200	59,100	62,800	62,900	63,900	62,200	58,400	59,500	61,500	62,600	62,700	63,700	61,500
County	19,200	19,400	19,500	19,500	19,500	19,700	19,700	19,700	19,700	19,600	19,700	19,700	19,600
City	8,900	9,000	9,100	9,100	9,200	9,800	10,100	10,000	9,500	9,300	9,200	9,100	9,400
Other Local Government	7,200	7,200	7,300	7,400	7,500	7,800	7,900	7,700	7,600	7,400	7,200	7,300	7,500

*March 2002 Benchmark figures.

Projections & Planning Information

Module D:

Projections

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THE HISTORY OF THE CITY OF BOSTON

FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME
BY
JOSEPH NEALE
OF THE BOSTON BAR
IN TWO VOLUMES
VOL. I.
BOSTON: PUBLISHED BY
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Introduction to Industry and Occupational Projections

Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

Remember that these data are estimates.

These data were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

Do not use these projections as your sole source of information. Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

Projections employment data are annual averages. These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

Employment levels stated reflect workers who are covered by the Unemployment Insurance program. As a result, industries that are made up largely of individuals who are self-employed will be understated. Examples include industries such as real

estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of state-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the

industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

Knowing Future Industry Trends:

- helps economic development professionals foster compatible growth and promote the county's strengths,
- helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

Occupational Projections

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes—growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multi-county level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details about the occupation. An individual starting a career search may want to look at the various

occupations in this module, choose any that are of interest, and then do further research on the occupation or occupations of choice.

There are other sources of information about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, the following points should be considered:

- There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the very small number of people employed in that

area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities—individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

Additional Sources of Information

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage and Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles (DOT)
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Economic Development Organizations

- Local Newspapers
- Standard Industrial Classification Manual

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order publications.

Description of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

Industry

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

Agriculture, Forestry, and Fishing (SIC 01–09) includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

Mining (SIC 10–14) includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

Construction (SIC 15–17) includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

Manufacturing (SIC 20–39) includes establishments which are usually described as plants, factories, or mills that are engaged in

producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

Transportation and Public Utilities (SIC 40–49) includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

Wholesale Trade (SIC 50–51) includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

Retail Trade (SIC 52–59) includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

Finance, Insurance, and Real Estate (SIC 60–67) includes savings and loan institutions, banks, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

Services (SIC 70–89) includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

Government includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

Table 1: Employment By Major Industry

This table shows 1999 estimated employment and 2006 projected employment along with the percentage of total employment for each major industry division.

Table 2: Employment by Industry

This table shows employment and projected employment by industry. The number of jobs is estimated for 1999 and projected for 2006. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1999 and 2006. The "Percent Change" column is the growth rate over the seven-year period.

Occupational

Occupational groups are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

Managers and Administrative occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

Professional, Paraprofessional, and Technical occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally

require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

Sales And Related occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

Clerical And Administrative Support occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

Service Occupations prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

Agricultural, Forestry, And Fishing occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

Production, Construction, Operating, Maintenance, and Material Handling are skilled, semiskilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

Table 3: Employment by Major Occupational Group

This table shows 1999 and 2006 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column

gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

Table 4: Occupations with the Greatest Absolute Job Growth

This table lists the 50 occupations that are projected to register the largest absolute change between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1999–2006 period.

Table 5: Occupations with the Fastest Job Growth

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

Table 6: Occupational Employment Projections

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1999 and 2006. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed table. The same line numbers are used in all area reports for 1999–2006. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

Table 7: Occupations with the Most Openings (Growth plus Separations)

This table lists the occupations that are projected to register the largest absolute growth and separations between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1999–2006 period.

Table 8: Occupations with Projected Decline

This table lists the occupations that are projected to decline over the 1999–2006 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course, there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

1. **First professional degree.** Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).
2. **Doctoral degree.** Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.
3. **Master's degree.** Occupations that require the completion of a master's degree program, which is usually one to two years beyond a bachelor's degree.
4. **Bachelor's or higher and some work experience.** Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.
5. **Bachelor's degree.** Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.
6. **Associate degree.** Occupations that require the completion of at least 2 years of full-time academic study beyond high school.
7. **Post-secondary vocational education.** Occupations that require completion of vocational school training.
8. **Work experience.** Occupations that require skills obtained through work experience in a related occupation.
9. **Long-term on-the-job training.** Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.
10. **Moderate-term on-the-job training.** Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.
11. **Short-term on-the-job training.** Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

Industry Trends and Outlook

The Employment Development Department (EDD) anticipates that the employment level in San Joaquin County will continue to expand. Plans for new housing developments, roadway renovations, and new companies relocating to the county from surrounding areas are just a few factors contributing to the expected jobs growth. Particularly inviting to businesses is the well-developed transportation network (I-5, I-205, and Hwy 99), the enterprise zone business incentives, affordable real estate, and a diversified and available labor force.

The EDD expects the total number of nonfarm wage and salary jobs to increase by 33,400 jobs during the seven-year projection period, an increase of 18.7 percent. Employment gains are expected across all major industry divisions through 2006 with the largest absolute increases occurring in **services**, **retail trade** and **government**. These three industry divisions comprise more than sixty percent of the total nonfarm jobs in the county.

The **services** industry will grow by approximately 11,700 jobs, a gain of 25.8 percent. The EDD expects the largest gains to occur in business services, health services, and other services (which includes hotel and other lodging places, automotive, social services, and residual services, to name a few). Business services will expand by 5,100 jobs, largely due to gains in personnel supply services. Health services jobs will continue to increase, adding 2,100 jobs to serve the rapidly expanding and aging population. In the other services industry, an additional 3,200 jobs will be distributed throughout the remaining sectors to meet the diverse needs of a growing population (such as: personal and professional services, hotels and lodging, child

care, legal services and automotive repair services). The county will see modest job gains in amusements, including movies, as well as in private educational services.

Retail trade will continue to grow and will add 5,500 jobs during the projection period, a 16.9 percent increase. Eating and drinking establishments will account for the largest growth, adding 2,000 jobs. The "other retail trade" sector (which includes hotels and other lodging, personal services, automotive repair services and residual services, to name a few) closely follows with an additional 1,300 jobs, while food stores will advance by 1,200 jobs. General merchandise will expand by 1,000 jobs. These gains are in response to increased needs of one of the fastest growing counties in the State. The **wholesale trade** industry is expected to add 800 jobs, with most of the gains in the durable goods industry.

The third largest industry division in the county, **government**, will add 5,200 jobs during the seven-year projection period, a 14.6 percent increase. Federal government jobs should remain stable and state government job growth will be minimal. The largest gain (over 90 percent) will occur in the local government sector which will add 4,700 jobs. Local education is expected to add 3,300 jobs, not only to meet the State mandate for smaller classroom sizes, but also to accommodate new schools built to meet the needs of an expanding school-age population.

The **construction** industry is expected to add 4,200 jobs during the projection period, a growth of 40.8 percent. Although the rate of increase in this industry may slow compared to previous years, construction will continue to add jobs as plans to develop affordable

residential (single family and high density) housing move forward while office and commercial building continue. Another factor driving this projected growth is the high cost of housing in other areas of the state, which results in additional migration into the Central Valley. Renewed economic development efforts to develop high technology business parks may also provide a better housing-to-jobs balance and help relieve congestion on the highways as county residents have more choices for jobs closer to home.

We should see an additional 2,700 jobs in **manufacturing**, an 11.3 percent increase, during the projection period. However, there will be a shift from the usual growth in the nondurable goods sector (food and kindred products) to increases in the durable goods sector (lumber, wood, primary and fabricated metal, machinery and electrical equipment). Durable goods will advance by 1,800 jobs, while nondurable goods will increase by 900 jobs.

The **transportation, communications and public utilities** industries should produce an additional 2,300 jobs during the projection period, a 17.7 percent increase. Most of the gains will occur in the transportation sector as San Joaquin County strengthens its position as a trucking, warehousing, and distribution center serving western region markets connected by the area's major highways. There will be a modest gain of 500 jobs in the communications and public utilities sectors.

The **finance, insurance and real estate** industries will add approximately 900 jobs during the projection period. More than half of the growth (500 jobs) will come from call

centers and data processing services, which are included in the other finance, insurance and real estate sector. The finance sector should add 400 jobs even though it is expected that more financial institutions will merge and restructure to meet the diverse needs of a growing population.

Mining will remain stable with no additional jobs expected during the projection period.

Table 1
Employment By Major Industry (1)
1999 - 2006 Annual Averages
SAN JOAQUIN COUNTY

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
TOTAL NONFARM	178,700	100.0%	212,100	100.0%
MINING	100	0.1%	100	0.0%
CONSTRUCTION	10,300	5.8%	14,500	6.8%
MANUFACTURING	24,000	13.4%	26,700	12.6%
TRANSPORTATION & PUBLIC UTILITIES	13,000	7.3%	15,300	7.2%
TRADE	41,900	23.4%	48,200	22.7%
FINANCE, INSURANCE, & REAL ESTATE	8,500	4.8%	9,400	4.4%
SERVICES	45,400	25.4%	57,100	26.9%
GOVERNMENT	35,600	19.9%	40,800	19.2%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

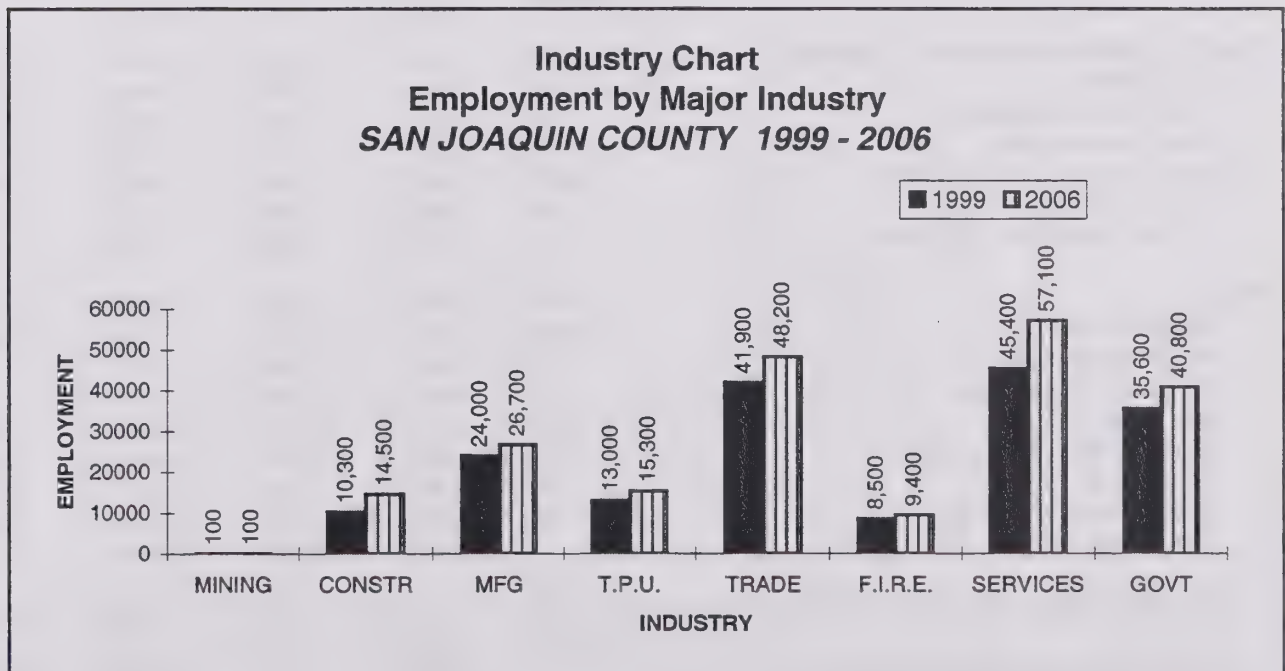


Table 2
Industry Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
TOTAL NONFARM	074, 075, 078, 10-99 except 88	178,700	212,100	33,400	18.7
GOODS PRODUCING	10-39	34,400	41,300	6,900	20.1
MINING	10-14	100	100	0	0.0
CONSTRUCTION	15-17	10,300	14,500	4,200	40.8
MANUFACTURING	20-39	24,000	26,700	2,700	11.3
Durable Goods	24,25,32-39	11,400	13,200	1,800	15.8
Lumber, Wood, & Furniture	24,25	3,000	3,600	600	20.0
Primary & Fabricated Metal	33,34	3,000	3,700	700	23.3
Machinery & Electric Equipment	35,36	1,900	2,100	200	10.5
Other Durable Goods		3,500	3,800	300	8.6
Nondurable Goods	20-23,26-31	12,600	13,500	900	7.1
Food & Kindred Products	20	8,000	8,300	300	3.8
Preserved Fruits & Vegetables	203	3,400	3,300	-100	-2.9
Other Food & Kindred Products	20X	4,600	5,000	400	8.7
Paper, Printing & Publishing	26,27	2,100	2,300	200	9.5
Other Nondurable Goods		2,400	2,900	500	20.8
SERVICE PRODUCING	074, 075, 078, 40-99 except 88	144,400	170,800	26,400	18.3
TRANSPORTATION AND PUBLIC UTILITIES	40-42,44-49	13,000	15,300	2,300	17.7
Transportation	40-42,44-47	10,500	12,300	1,800	17.1
Trucking & Warehousing	42	8,200	9,500	1,300	15.9
Other Transportation		2,300	2,800	500	21.7
Communications & Public Utilities	48,49	2,500	3,000	500	20.0
Communications	48	1,400	1,800	400	28.6
Electric, Gas & Sanitary Services	49	1,100	1,200	100	9.1
TRADE	50-59	41,900	48,200	6,300	15.0
Wholesale Trade	50,51	9,300	10,100	800	8.6
Wholesale--Durable	50	4,500	5,100	600	13.3
Wholesale--Nondurable	51	4,800	5,000	200	4.2
Retail Trade	52-59	32,600	38,100	5,500	16.9
General Merchandise & Apparel	53,56	5,900	6,900	1,000	16.9
Food Stores	54	4,800	6,000	1,200	25.0
Eating & Drinking Places	58	11,000	13,000	2,000	18.2
Other Retail Trade		10,900	12,200	1,300	11.9
FINANCE, INSURANCE, AND REAL ESTATE	60-65,67	8,500	9,400	900	10.6
Finance	60-62,67	3,500	3,900	400	11.4
Other Finance, Insurance & Real Estate		5,000	5,500	500	10.0

Table 2
Industry Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
SERVICES	074, 075, 078, 70-89 except 88	45,400	57,100	11,700	25.8
Business Services	73	9,700	14,800	5,100	52.6
Amusement, Including Movies	78,79	2,600	3,400	800	30.8
Health Services	80	14,000	16,100	2,100	15.0
Private Educational Services	82	3,200	3,700	500	15.6
Other Services		15,900	19,100	3,200	20.1
GOVERNMENT		35,600	40,800	5,200	14.6
Federal Government		4,000	4,000	0	0.0
State & Local Government		31,700	36,800	5,100	16.1
State Government		4,300	4,700	400	9.3
Local Government		27,400	32,100	4,700	17.2
Local Education		15,700	19,000	3,300	21.0
Local Noneducation		11,700	13,100	1,400	12.0

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

Table 3
Employment by Major Occupational Group
1999 - 2006 Annual Averages
SAN JOAQUIN COUNTY

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	178,700	100.0%	212,100	100.0%	33,400	18.7%
MANAGERS AND ADMIN OCCUPATIONS	9,900	5.5%	11,710	5.5%	1,810	18.3%
PROFESSIONAL, PARAPROF, TECHNICAL	33,760	18.9%	40,670	19.2%	6,910	20.5%
SALES AND RELATED OCCUPATIONS	19,560	10.9%	23,620	11.1%	4,060	20.8%
CLERICAL, ADMINISTRATIVE SUPPORT	29,610	16.6%	33,440	15.8%	3,830	12.9%
SERVICE OCCUPATIONS	28,500	15.9%	33,920	16.0%	5,420	19.0%
AGRICULTURAL, FORESTRY, FISHING	3,650	2.0%	4,290	2.0%	640	17.5%
PROD, CONST, OPER, MAT HANDLING	53,680	30.0%	64,400	30.4%	10,720	20.0%

(1) Total is based on the March 2000 benchmark.

Occupational Chart
Employment by Major Occupational Group
SAN JOAQUIN COUNTY 1999 - 2006

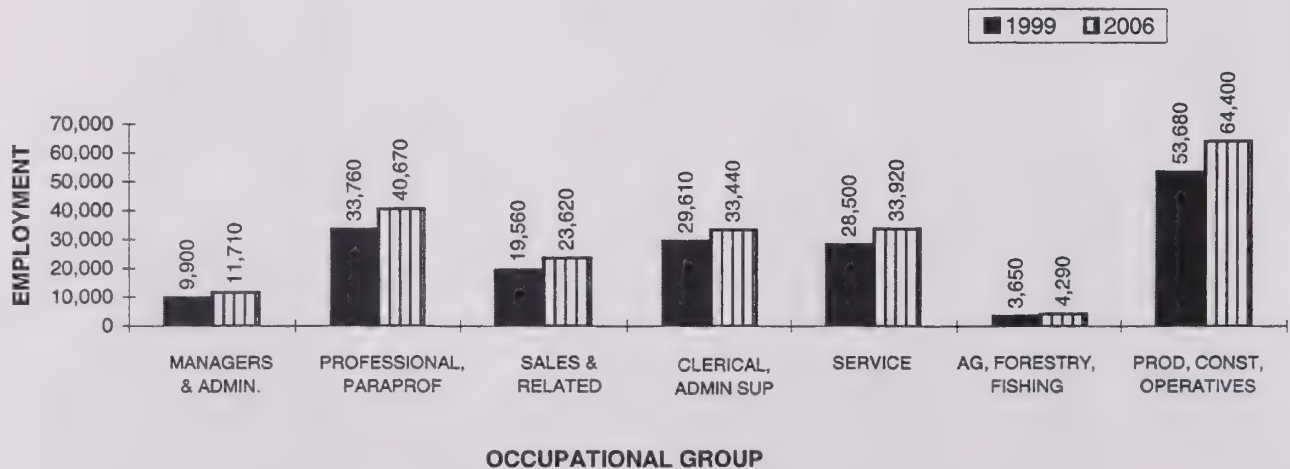


Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SAN JOAQUIN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49023	CASHIERS	4,340	5,390	1,050	24.2	11	SHORT-TERM ON-THE-JOB TRAINING
49011	SALESPERSONS, RETAIL	5,920	6,940	1,020	17.2	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	4,650	5,530	880	18.9	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	4,010	4,780	770	19.2	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
55347	GENERAL OFFICE CLERKS	3,940	4,700	760	19.3	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	2,690	3,370	680	25.3	5	BACHELOR'S DEGREE
98902	HAND PACKERS AND PACKAGERS	1,780	2,390	610	34.3	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	3,330	3,900	570	17.1	5	BACHELOR'S DEGREE
87102	CARPENTERS	1,480	2,050	570	38.5	9	LONG-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	1,250	1,810	560	44.8	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	2,020	2,520	500	24.8	11	SHORT-TERM ON-THE-JOB TRAINING
41002	FIRST-LINE SUP/MGR--SALES	2,240	2,720	480	21.4	8	WORK EXPERIENCE
31521	TEACHER AIDES, PARAPROFESSIONAL	1,400	1,860	460	32.9	6	ASSOCIATE DEGREE
65008	WAITERS AND WAITRESSES	2,490	2,940	450	18.1	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	2,850	3,300	450	15.8	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	2,810	3,250	440	15.7	6	ASSOCIATE DEGREE
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	2,040	2,450	410	20.1	11	SHORT-TERM ON-THE-JOB TRAINING
51002	FIRST-LINE SUP/MGR, CLERL, ADM SUP	2,390	2,780	390	16.3	8	WORK EXPERIENCE
65041	COMBINED FOOD PREP AND SERVICE	2,350	2,740	390	16.6	11	SHORT-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	2,050	2,410	360	17.6	11	SHORT-TERM ON-THE-JOB TRAINING
27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	1,510	1,860	350	23.2	5	BACHELOR'S DEGREE
87202	ELECTRICIANS	930	1,260	330	35.5	9	LONG-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	1,240	1,560	320	25.8	11	SHORT-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,980	2,300	320	16.2	11	SHORT-TERM ON-THE-JOB TRAINING
97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	2,170	2,480	310	14.3	11	SHORT-TERM ON-THE-JOB TRAINING

Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SAN JOAQUIN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	1,770	2,070	300	16.9	11	SHORT-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH,ELECT	1,450	1,740	290	20.0	11	SHORT-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	1,390	1,670	280	20.1	9	LONG-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	820	1,090	270	32.9	5	BACHELOR'S DEGREE
49034	DEMONSTRATORS AND PROMOTERS	630	900	270	42.9	10	MODERATE-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	730	990	260	35.6	11	SHORT-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	1,970	2,210	240	12.2	11	SHORT-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENL UTILITY	1,990	2,230	240	12.1	9	LONG-TERM ON-THE-JOB TRAINING
27308	HUMAN SERVICES WORKERS	890	1,120	230	25.8	10	MODERATE-TERM ON-THE-JOB TRAINING
63017	CORRECTION OFFICERS, JAILERS	940	1,160	220	23.4	9	LONG-TERM ON-THE-JOB TRAINING
66011	HOME HEALTH AIDES	620	840	220	35.5	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	2,630	2,830	200	7.6	7	POST-SECONDARY VOCATIONAL EDUCATION
63014	POLICE PATROL OFFICERS	720	910	190	26.4	9	LONG-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	1,550	1,740	190	12.3	11	SHORT-TERM ON-THE-JOB TRAINING
98312	HELPERS--CARPENTERS AND RELATED	470	660	190	40.4	11	SHORT-TERM ON-THE-JOB TRAINING
81005	FIRST-LINE SUP/MGR-CONSTRUCTION	450	630	180	40.0	8	WORK EXPERIENCE
85302	AUTOMOTIVE MECHANICS	1,090	1,270	180	16.5	9	LONG-TERM ON-THE-JOB TRAINING
87402	PAINTERS, PAPERHANGERS--CONST	480	660	180	37.5	10	MODERATE-TERM ON-THE-JOB TRAINING
91321	MACH FORMING OPS,TENDRS--MET, PLAS	500	680	180	36.0	10	MODERATE-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	2,700	2,870	170	6.3	10	MODERATE-TERM ON-THE-JOB TRAINING
68038	CHILD CARE WORKERS	670	840	170	25.4	11	SHORT-TERM ON-THE-JOB TRAINING
85902	HEATING, AC, REFRIG MECHANICS	440	610	170	38.6	9	LONG-TERM ON-THE-JOB TRAINING
93914	WELDERS AND CUTTERS	890	1,060	170	19.1	7	POST-SECONDARY VOCATIONAL EDUCATION
13002	FINANCIAL MANAGERS	900	1,060	160	17.8	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21114	ACCOUNTANTS AND AUDITORS	990	1,150	160	16.2	5	BACHELOR'S DEGREE
TOTAL OF THESE OCCUPATIONS		91,540	110,280	18,740	20.5		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
SAN JOAQUIN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	230	370	140	60.9	5	BACHELOR'S DEGREE
97923	EXCAVATING, LOADING MACHINE OPS	160	250	90	56.3	10	MODERATE-TERM ON-THE-JOB TRAINING
67008	PEST CONTROLLERS AND ASSISTANTS	190	290	100	52.6	10	MODERATE-TERM ON-THE-JOB TRAINING
85702	TELEPHONE, CABLE TV INSTALLERS	240	360	120	50.0	9	LONG-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	1,250	1,810	560	44.8	11	SHORT-TERM ON-THE-JOB TRAINING
87108	DRYWALL INSTALLERS	250	360	110	44.0	10	MODERATE-TERM ON-THE-JOB TRAINING
25104	COMPUTER SUPPORT SPECIALISTS	230	330	100	43.5	5	BACHELOR'S DEGREE
49034	DEMONSTRATORS AND PROMOTERS	630	900	270	42.9	10	MODERATE-TERM ON-THE-JOB TRAINING
87111	TAPERS	140	200	60	42.9	10	MODERATE-TERM ON-THE-JOB TRAINING
43017	SALES AGENTS--SEL BUS SERVICES	170	240	70	41.2	10	MODERATE-TERM ON-THE-JOB TRAINING
87817	FENCE ERECTORS	170	240	70	41.2	10	MODERATE-TERM ON-THE-JOB TRAINING
98312	HELPERS--CARPENTERS AND RELATED	470	660	190	40.4	11	SHORT-TERM ON-THE-JOB TRAINING
81005	FIRST-LINE SUP/MGR-CONSTRUCTION	450	630	180	40.0	8	WORK EXPERIENCE
15017	CONSTRUCTION MANAGERS	350	490	140	40.0	5	BACHELOR'S DEGREE
85902	HEATING, AC, REFRIG MECHANICS	440	610	170	38.6	9	LONG-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	1,480	2,050	570	38.5	9	LONG-TERM ON-THE-JOB TRAINING
87311	CONCRETE AND TERRAZZO FINISHERS	390	540	150	38.5	9	LONG-TERM ON-THE-JOB TRAINING
21902	COST ESTIMATORS	260	360	100	38.5	8	WORK EXPERIENCE
87808	ROOFERS	210	290	80	38.1	10	MODERATE-TERM ON-THE-JOB TRAINING
87402	PAINTERS, PAPERHANGERS--CONST	480	660	180	37.5	10	MODERATE-TERM ON-THE-JOB TRAINING
31212	HEALTH ASSESS & TREAT TEACHERS, POSTSEC	240	330	90	37.5	2	DOCTORAL DEGREE
32302	RESPIRATORY THERAPISTS	190	260	70	36.8	6	ASSOCIATE DEGREE
97938	GRADER, DOZER, SCRAPER OPERATORS	190	260	70	36.8	10	MODERATE-TERM ON-THE-JOB TRAINING
87814	STRUCTURAL METAL WORKERS	220	300	80	36.4	9	LONG-TERM ON-THE-JOB TRAINING
91321	MACH FORMING OPS,TENDRS--MET, PLAS	500	680	180	36.0	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
SAN JOAQUIN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49017	COUNTER AND RENTAL CLERKS	730	990	260	35.6	11	SHORT-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	930	1,260	330	35.5	9	LONG-TERM ON-THE-JOB TRAINING
66011	HOME HEALTH AIDES	620	840	220	35.5	11	SHORT-TERM ON-THE-JOB TRAINING
87308	HARD TILE SETTERS	170	230	60	35.3	9	LONG-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	1,780	2,390	610	34.3	11	SHORT-TERM ON-THE-JOB TRAINING
31211	HEALTH DIAGNOSTICS TEACHERS, POSTSEC	180	240	60	33.3	2	DOCTORAL DEGREE
98315	HELPERS--PLUMBERS AND RELATED	180	240	60	33.3	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	1,400	1,860	460	32.9	6	ASSOCIATE DEGREE
31311	TEACHERS--SPECIAL EDUCATION	820	1,090	270	32.9	5	BACHELOR'S DEGREE
89132	SHEET METAL WORKERS	340	450	110	32.4	10	MODERATE-TERM ON-THE-JOB TRAINING
87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	380	500	120	31.6	9	LONG-TERM ON-THE-JOB TRAINING
79017	ANIMAL CARETAKERS--EXCEPT FARM	160	210	50	31.3	11	SHORT-TERM ON-THE-JOB TRAINING
66005	MEDICAL ASSISTANTS	430	560	130	30.2	10	MODERATE-TERM ON-THE-JOB TRAINING
53508	BILL AND ACCOUNT COLLECTORS	170	220	50	29.4	11	SHORT-TERM ON-THE-JOB TRAINING
53123	ADJUSTMENT CLERKS	550	710	160	29.1	11	SHORT-TERM ON-THE-JOB TRAINING
31321	INSTRUCTORS AND COACHES--SPORTS	320	410	90	28.1	10	MODERATE-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	180	230	50	27.8	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
68014	AMUSEMENT, RECREATION ATTENDANTS	450	570	120	26.7	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	720	910	190	26.4	9	LONG-TERM ON-THE-JOB TRAINING
91714	METAL FABRICATOR, STRUCT MET PRODS	420	530	110	26.2	10	MODERATE-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	1,240	1,560	320	25.8	11	SHORT-TERM ON-THE-JOB TRAINING
27308	HUMAN SERVICES WORKERS	890	1,120	230	25.8	10	MODERATE-TERM ON-THE-JOB TRAINING
68038	CHILD CARE WORKERS	670	840	170	25.4	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	2,690	3,370	680	25.3	5	BACHELOR'S DEGREE
27502	CLERGY	200	250	50	25.0	1	FIRST PROFESSIONAL DEGREE
TOTAL OF THESE OCCUPATIONS		26,150	35,050	8,900	34.0		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 200 in 2006.

(2) March 2000 Benchmark

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
1		TOTAL, ALL OCCUPATIONS	178,700	212,100	33,400	18.7	33,360		
2	10000	MGRS AND ADMIN OCCUPATIONS	9,900	11,710	1,810	18.3	1,330		
3	13002	FINANCIAL MANAGERS	900	1,060	160	17.8	110	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	300	360	60	20.0	50	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	230	250	20	8.7	40	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
6	13011	MKTING, ADV, PUB-REL MANAGERS	400	490	90	22.5	40	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	410	470	60	14.6	50	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	180	230	50	27.8	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	470	560	90	19.1	90	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	250	310	60	24.0	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	210	240	30	14.3	20	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	280	310	30	10.7	40	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	350	490	140	40.0	50	5	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	310	350	40	12.9	40	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	420	490	70	16.7	50	8	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	160	170	10	6.3	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	4,010	4,780	770	19.2	530	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	1,020	1,150	130	12.7	130	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	33,760	40,670	6,910	20.5	5,140		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	4,360	5,120	760	17.4	650		

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	1,870	2,180	310	16.6	270		
26	21102	INSURANCE UNDERWRITERS	110	100	-10	-9.1	20	5	BACHELOR'S DEGREE
28	21108	LOAN OFFICERS AND COUNSELORS	380	450	70	18.4	60	5	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	170	210	40	23.5	30	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	990	1,150	160	16.2	120	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	220	270	50	22.7	40	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	340	370	30	8.8	60		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	120	130	10	8.3	20	5	BACHELOR'S DEGREE
35	21305	PURCH AGTS AND BUYERS--FARM PRODS	70	70	0	0.0	10	8	WORK EXPERIENCE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	150	170	20	13.3	30	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	410	490	80	19.5	90		
40	21508	EMPL INTERVIEWERS--PRIV OR PUB	70	90	20	28.6	20	5	BACHELOR'S DEGREE
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	340	400	60	17.6	70	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	1,740	2,080	340	19.5	230		
43	21902	COST ESTIMATORS	260	360	100	38.5	30	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	260	320	60	23.1	20	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	90	100	10	11.1	20	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	270	300	30	11.1	40	8	WORK EXPERIENCE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	860	1,000	140	16.3	120	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	1,720	1,990	270	15.7	300		
52	22100	ENGINEERS	700	830	130	18.6	110		

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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	250	270	20	8.0	40	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	80	110	30	37.5	10	5	BACHELOR'S DEGREE
62	22127	COMPUTER ENGINEERS	60	70	10	16.7	0	5	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	70	80	10	14.3	10	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	80	100	20	25.0	10	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	160	200	40	25.0	40	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	160	170	10	6.3	30		
69	22302	ARCHITECTS--EX LANDSCAPE, MARINE	60	60	0	0.0	10	5	BACHELOR'S DEGREE
72	22311	SURVEYING AND MAPPING SCIENTISTS	100	110	10	10.0	20	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	860	990	130	15.1	160		
74	22502	CIVIL ENGINEERING TECHNICIANS	90	100	10	11.1	20	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	100	120	20	20.0	20	6	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	70	80	10	14.3	10	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	310	360	50	16.1	60	7	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	60	70	10	16.7	10	7	POST-SECONDARY VOCATIONAL EDUCATION
81	22599	ENGINEERING, RELATED TECHS, NEC	230	260	30	13.0	40	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	440	510	70	15.9	70		
83	24100	PHYSICAL SCIENTISTS	130	160	30	23.1	20		
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	60	80	20	33.3	10	5	BACHELOR'S DEGREE
88	24199	PHYSICAL SCIENTISTS, NEC	70	80	10	14.3	10	5	BACHELOR'S DEGREE
89	24300	LIFE SCIENTISTS	50	60	10	20.0	10		
94	24399	LIFE SCIENTISTS, NEC	50	60	10	20.0	10	2	DOCTORAL DEGREE

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			1999 (2)	2006					
95	24500	PHYSICAL, LIFE SCIENCE TECHS	260	290	30	11.5	40		
96	24502	BIOLOGICAL, AGRI, FOOD TECHS	50	60	10	20.0	10	6	ASSOCIATE DEGREE
97	24505	CHEM TECHS--EXCEPT HEALTH	70	80	10	14.3	10	6	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	140	150	10	7.1	20	6	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, RELATE	610	850	240	39.3	50		
102	25100	COMPUTER SCIENTISTS AND RELATED	610	850	240	39.3	50		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	230	370	140	60.9	10	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	230	330	100	43.5	10	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	150	150	0	0.0	30	5	BACHELOR'S DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	3,830	4,700	870	22.7	570		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	210	240	30	14.3	30		
121	27105	URBAN AND REGIONAL PLANNERS	60	70	10	16.7	10	3	MASTER'S DEGREE
122	27108	PSYCHOLOGISTS	150	170	20	13.3	20	3	MASTER'S DEGREE
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	3,420	4,210	790	23.1	510		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	250	310	60	24.0	30	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	1,510	1,860	350	23.2	150	5	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	470	580	110	23.4	80	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	890	1,120	230	25.8	190	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	300	340	40	13.3	60	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	200	250	50	25.0	30		

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			1999 (2)	2006					
131	27502	CLERGY	200	250	50	25.0	30	1	FIRST PROFESSIONAL DEGREE
134	28000	LAW AND RELATED OCCUPATIONS	740	900	160	21.6	80		
135	28100	LAWYERS AND RELATED WORKERS	490	590	100	20.4	50		
136	28102	JUDGES AND MAGISTRATES	50	60	10	20.0	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	70	80	10	14.3	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
138	28108	LAWYERS	370	450	80	21.6	30	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	250	310	60	24.0	30		
141	28305	PARALEGAL PERSONNEL	70	100	30	42.9	10	6	ASSOCIATE DEGREE
143	28311	TITLE EXAMINERS AND ABSTRACTORS	90	90	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
144	28399	LEGAL ASSTS, TECHS--EX CLER, NEC	90	120	30	33.3	10	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	12,280	15,050	2,770	22.6	1,970		
146	31100	POSTSECONDARY TEACHERS	720	950	230	31.9	160		
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	80	100	20	25.0	10	3	MASTER'S DEGREE
151	31202	LIFE SCIENCES TEACHERS, POSTSECON	160	200	40	25.0	40	2	DOCTORAL DEGREE
155	31211	HEALTH DIAGNOSTICS TEACHERS, POSTS	180	240	60	33.3	40	2	DOCTORAL DEGREE
156	31212	HEALTH ASSESS & TREAT TEACHERS, PO	240	330	90	37.5	60	2	DOCTORAL DEGREE
183	31299	POSTSECONDARY TEACHERS, NEC	60	80	20	33.3	10	2	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	9,580	11,560	1,980	20.7	1,580		
185	31303	TEACHERS, PRESCHOOL	430	520	90	20.9	70	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	490	570	80	16.3	80	5	BACHELOR'S DEGREE

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			1999 (2)	2006					
187	31305	TEACHERS--ELEMENTARY SCHOOL	3,330	3,900	570	17.1	570	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	2,690	3,370	680	25.3	670	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	820	1,090	270	32.9	50	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	540	600	60	11.1	40	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	180	220	40	22.2	10	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	320	410	90	28.1	30	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	780	880	100	12.8	60	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	1,980	2,540	560	28.3	230		
196	31502	LIBRARIANS--PROFESSIONAL	140	150	10	7.1	30	3	MASTER'S DEGREE
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	340	410	70	20.6	60	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	100	120	20	20.0	10	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	1,400	1,860	460	32.9	130	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	7,080	8,240	1,160	16.4	990		
204	32100	HEALTH DIAGNOSING, TREATING	630	730	100	15.9	80		
205	32102	PHYSICIANS AND SURGEONS	460	540	80	17.4	50	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	170	190	20	11.8	30	1	FIRST PROFESSIONAL DEGREE
212	32300	THERAPISTS	520	680	160	30.8	70		
213	32302	RESPIRATORY THERAPISTS	190	260	70	36.8	20	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	50	60	10	20.0	10	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	150	170	20	13.3	20	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	130	190	60	46.2	20	3	MASTER'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	4,470	5,140	670	15.0	620		

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			1999 (2)	2006					
221	32502	REGISTERED NURSES	2,810	3,250	440	15.7	340	6	ASSOCIATE DEGREE
222	32505	LICENSED PRACTICAL NURSES	690	750	60	8.7	110	7	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	230	280	50	21.7	40	7	POST-SECONDARY VOCATIONAL EDUCATION
225	32514	OPTICIANS--DISPENSING, MEASURING	180	200	20	11.1	20	9	LONG-TERM ON-THE-JOB TRAINING
226	32517	PHARMACISTS	290	330	40	13.8	60	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	170	210	40	23.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	100	120	20	20.0	20	5	BACHELOR'S DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	1,460	1,690	230	15.8	220		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	240	250	10	4.2	20	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	210	240	30	14.3	20	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	210	250	40	19.0	40	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	90	110	20	22.2	20	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	250	280	30	12.0	30	6	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	60	80	20	33.3	10	7	POST-SECONDARY VOCATIONAL EDUCATION
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	400	480	80	20.0	80	6	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	570	710	140	24.6	90		
246	34002	WRITERS AND EDITORS	60	80	20	33.3	10	5	BACHELOR'S DEGREE
257	34035	ARTISTS AND RELATED WORKERS	90	120	30	33.3	20	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	110	130	20	18.2	10	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	50	60	10	20.0	10	5	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	60	80	20	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	200	240	40	20.0	30	9	LONG-TERM ON-THE-JOB TRAINING
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	2,130	2,600	470	22.1	370		

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			1999 (2)	2006					
272	39999	OTHER PROF, PARAPROF, TECHNICAL	2,130	2,600	470	22.1	370	5	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	19,560	23,620	4,060	20.8	4,690		
274	41000	FIRST-LINE SUP/MGR--SALES	2,240	2,720	480	21.4	220		
276	43000	SALES AGENTS--SERVICE	870	1,070	200	23.0	140		
277	43002	SALES AGENTS, PLACERS--INSURANCE	240	270	30	12.5	40	9	LONG-TERM ON-THE-JOB TRAINING
281	43014	SALES AGENTS--FINANCIAL SERVICES	180	220	40	22.2	10	9	LONG-TERM ON-THE-JOB TRAINING
282	43017	SALES AGENTS--SEL BUS SERVICES	170	240	70	41.2	30	10	MODERATE-TERM ON-THE-JOB TRAINING
283	43021	TRAVEL AGENTS	100	120	20	20.0	20	7	POST-SECONDARY VOCATIONAL EDUCATION
284	43023	SALES AGENTS--ADVERTISING	110	140	30	27.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
285	43099	SALES REPS, SERVICE--NEC	70	80	10	14.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
286	49000	MERCH, PRODUCTS AND OTHER SALES	16,450	19,830	3,380	20.5	4,330		
288	49005	SALES REPS, SCIENTIFIC--EX RETAIL	310	350	40	12.9	60	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49008	SALES REPS, NON-SCIENTIFIC EX RET	1,250	1,370	120	9.6	220	10	MODERATE-TERM ON-THE-JOB TRAINING
290	49011	SALESPERSONS, RETAIL	5,920	6,940	1,020	17.2	1,550	11	SHORT-TERM ON-THE-JOB TRAINING
291	49014	SALESPERSONS--PARTS	470	490	20	4.3	100	10	MODERATE-TERM ON-THE-JOB TRAINING
292	49017	COUNTER AND RENTAL CLERKS	730	990	260	35.6	260	11	SHORT-TERM ON-THE-JOB TRAINING
293	49021	STOCK CLERKS--SALES FLOOR	1,970	2,210	240	12.2	220	11	SHORT-TERM ON-THE-JOB TRAINING
294	49023	CASHIERS	4,340	5,390	1,050	24.2	1,550	11	SHORT-TERM ON-THE-JOB TRAINING
295	49026	TELEMARKETERS, SOLICITORS & RELATE	120	170	50	41.7	30	11	SHORT-TERM ON-THE-JOB TRAINING
296	49034	DEMONSTRATORS AND PROMOTERS	630	900	270	42.9	150	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
298	49999	SALES AND RELATED WORKERS, NEC	710	1,020	310	43.7	190	10	MODERATE-TERM ON-THE-JOB TRAINING
299	50000	CLERICAL, ADMINISTRATIVE SUPPORT	29,610	33,440	3,830	12.9	4,580		
300	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	2,390	2,780	390	16.3	400		
302	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	4,330	5,070	740	17.1	740		
303	53100	BANKING, SECURITY, FINANCE, CREDIT	1,850	2,120	270	14.6	380		
304	53102	TELLERS	890	940	50	5.6	280	11	SHORT-TERM ON-THE-JOB TRAINING
305	53105	NEW ACCOUNTS CLERKS	200	240	40	20.0	50	8	WORK EXPERIENCE
310	53121	LOAN AND CREDIT CLERKS	210	230	20	9.5	20	11	SHORT-TERM ON-THE-JOB TRAINING
311	53123	ADJUSTMENT CLERKS	550	710	160	29.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
314	53300	INSURANCE WORKERS	520	580	60	11.5	70		
315	53302	INS ADJUST, EXAMIN, INVESTIGATORS	290	330	40	13.8	40	9	LONG-TERM ON-THE-JOB TRAINING
318	53311	INSURANCE CLAIMS CLERKS	140	150	10	7.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
319	53314	INSURANCE POLICY PROCESSING CLERKS	90	100	10	11.1	10	10	MODERATE-TERM ON-THE-JOB TRAINING
320	53500	INVESTIGATIVE, RELATED, EX INSUR	420	460	40	9.5	80		
321	53502	WELFARE ELIG WORKERS, INTERVIEWERS	250	240	-10	-4.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
323	53508	BILL AND ACCOUNT COLLECTORS	170	220	50	29.4	40	11	SHORT-TERM ON-THE-JOB TRAINING
328	53800	LODGING AND TRAVEL WORKERS	110	130	20	18.2	30		
331	53808	HOTEL DESK CLERKS	110	130	20	18.2	30	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
332	53900	MISC INDUSTRY SPECIFIC CLERICAL	1,430	1,780	350	24.5	180		
333	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	190	220	30	15.8	70	11	SHORT-TERM ON-THE-JOB TRAINING
334	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	1,240	1,560	320	25.8	110	11	SHORT-TERM ON-THE-JOB TRAINING
338	55000	SECRETARIAL, GENERAL OFFICE OCCS	14,790	16,540	1,750	11.8	2,380		
339	55100	SECRETARIES	3,040	3,270	230	7.6	360		
340	55102	SECRETARIES, LEGAL	210	230	20	9.5	30	7	POST-SECONDARY VOCATIONAL EDUCATION
341	55105	SECRETARIES, MEDICAL	200	210	10	5.0	20	7	POST-SECONDARY VOCATIONAL EDUCATION
342	55108	SECRETARIES, GENERAL	2,630	2,830	200	7.6	310	7	POST-SECONDARY VOCATIONAL EDUCATION
343	55300	MISC SECRETARIAL, GENL OFF OCCS	11,750	13,270	1,520	12.9	2,020		
344	55302	STENOGRAPHERS AND/OR COURT REPORTE	50	60	10	20.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
345	55305	RECEPTIONISTS, INFORMATION CLERKS	2,050	2,410	360	17.6	300	11	SHORT-TERM ON-THE-JOB TRAINING
346	55307	TYPISTS, INCLUDING WORD PROCESSING	730	630	-100	-13.7	90	10	MODERATE-TERM ON-THE-JOB TRAINING
347	55314	PERS CLERKS--EX PAYROLL	150	160	10	6.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
349	55321	FILE CLERKS	390	460	70	17.9	100	11	SHORT-TERM ON-THE-JOB TRAINING
350	55323	ORDER CLERKS--MATERIALS, SERVICE	410	480	70	17.1	70	11	SHORT-TERM ON-THE-JOB TRAINING
353	55332	INTERVIEW CLERKS--EX PERS, WELFARE	150	170	20	13.3	40	11	SHORT-TERM ON-THE-JOB TRAINING
354	55335	CUSTOMER SERVICE REPS--UTILITIES	500	600	100	20.0	90	11	SHORT-TERM ON-THE-JOB TRAINING
355	55338	BOOKKEEPING, ACCOUNTING CLERKS	2,700	2,870	170	6.3	360	10	MODERATE-TERM ON-THE-JOB TRAINING
356	55341	PAYROLL AND TIMEKEEPING CLERKS	250	260	10	4.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
357	55344	BILLING, COST, AND RATE CLERKS	430	470	40	9.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
358	55347	GENERAL OFFICE CLERKS	3,940	4,700	760	19.3	840	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
359	56000	EDP AND OFFICE MACHINE OCCUPATIONS	1,090	1,170	80	7.3	110		
360	56002	BILLING, POSTING, CALC MACHINE OPS	360	370	10	2.8	50	11	SHORT-TERM ON-THE-JOB TRAINING
363	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	200	190	-10	-5.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
365	56017	DATA ENTRY KEYERS--EX COMPOSING	480	560	80	16.7	30	7	POST-SECONDARY VOCATIONAL EDUCATION
367	56099	OFFICE MACHINE OPERATORS, NEC	50	50	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
368	57000	COMMUNICATIONS, MAIL DISTRIBUTION	1,390	1,510	120	8.6	240		
369	57100	COMMUNICATION EQUIPMENT OPERATORS	600	630	30	5.0	90		
370	57102	SWITCHBOARD OPERATORS	210	220	10	4.8	30	11	SHORT-TERM ON-THE-JOB TRAINING
372	57108	CENTRAL OFFICE OPERATORS	390	410	20	5.1	60	10	MODERATE-TERM ON-THE-JOB TRAINING
375	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	790	880	90	11.4	150		
376	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	100	120	20	20.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
377	57305	POSTAL MAIL CARRIERS	490	540	50	10.2	100	11	SHORT-TERM ON-THE-JOB TRAINING
378	57308	POSTAL SERVICE CLERKS	130	140	10	7.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
379	57311	MESSENGERS	70	80	10	14.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
380	58000	MATERIAL RECORDING, DISPATCHING	4,440	4,990	550	12.4	560		
381	58002	DISPATCH--POLICE, FIRE, AMBULANCE	130	140	10	7.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
382	58005	DISPATCH--EX POLICE, FIRE, AMBUL	340	390	50	14.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
383	58008	PROD, PLANNING, EXPEDITING CLERKS	270	300	30	11.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
385	58014	METER READERS--UTILITIES	80	90	10	12.5	20	11	SHORT-TERM ON-THE-JOB TRAINING
386	58017	WEIGHERS, MEASURERS--RECORDKEEPING	70	70	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
388	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	1,770	2,070	300	16.9	200	11	SHORT-TERM ON-THE-JOB TRAINING
389	58026	ORDER FILLERS--WHLE & RET SALES	290	320	30	10.3	50	11	SHORT-TERM ON-THE-JOB TRAINING
390	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	1,290	1,390	100	7.8	160	11	SHORT-TERM ON-THE-JOB TRAINING
391	58099	MATERIAL RECORDING, RELATED, NEC	200	220	20	10.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
392	59000	CLERICAL, ADMIN SUPPORT, NEC	1,180	1,380	200	16.9	150	11	SHORT-TERM ON-THE-JOB TRAINING
394	60000	SERVICE OCCUPATIONS	28,500	33,920	5,420	19.0	7,130		
395	61000	FIRST-LINE SUP/MGR--SERVICE	1,690	1,970	280	16.6	320		
396	61002	FIRE FIGHTING & PREVENTION SUPS	220	240	20	9.1	50	8	WORK EXPERIENCE
397	61005	POLICE AND DETECTIVE SUPERVISORS	260	290	30	11.5	60	8	WORK EXPERIENCE
398	61008	HOUSEKEEPING SUPERVISORS	120	130	10	8.3	20	8	WORK EXPERIENCE
399	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	1,090	1,310	220	20.2	190	8	WORK EXPERIENCE
400	63000	PROTECTIVE SERVICE OCCUPATIONS	3,990	5,090	1,100	27.6	930		
403	63008	FIRE FIGHTERS	660	710	50	7.6	120	9	LONG-TERM ON-THE-JOB TRAINING
404	63011	POLICE DETECTIVES	80	100	20	25.0	20	8	WORK EXPERIENCE
405	63014	POLICE PATROL OFFICERS	720	910	190	26.4	150	9	LONG-TERM ON-THE-JOB TRAINING
406	63017	CORRECTION OFFICERS, JAILERS	940	1,160	220	23.4	200	9	LONG-TERM ON-THE-JOB TRAINING
415	63044	CROSSING GUARDS	60	70	10	16.7	10	11	SHORT-TERM ON-THE-JOB TRAINING
416	63047	GUARDS AND WATCH GUARDS	1,250	1,810	560	44.8	270	11	SHORT-TERM ON-THE-JOB TRAINING
417	63099	PROTECTIVE SERVICE WORKERS, NEC	280	330	50	17.9	160	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
418	65000	FOOD, BEV PREP AND SERVICE OCCS	11,880	13,700	1,820	15.3	4,250		
419	65002	HOSTS, HOSTESSES--RESTAURANTS	300	360	60	20.0	70	11	SHORT-TERM ON-THE-JOB TRAINING
420	65005	BARTENDERS	350	390	40	11.4	110	11	SHORT-TERM ON-THE-JOB TRAINING
421	65008	WAITERS AND WAITRESSES	2,490	2,940	450	18.1	1,060	11	SHORT-TERM ON-THE-JOB TRAINING
422	65011	FOOD SERVERS--OUTSIDE	80	90	10	12.5	50	11	SHORT-TERM ON-THE-JOB TRAINING
423	65014	DINING RM ATTENDANTS, BAR HELPERS	670	710	40	6.0	160	11	SHORT-TERM ON-THE-JOB TRAINING
424	65017	COUNTER ATTENDANTS--FOOD	590	680	90	15.3	400	11	SHORT-TERM ON-THE-JOB TRAINING
425	65021	BAKERS--BREAD AND PASTRY	140	180	40	28.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
426	65023	BUTCHERS AND MEAT CUTTERS	230	260	30	13.0	40	9	LONG-TERM ON-THE-JOB TRAINING
427	65026	COOKS--RESTAURANT	1,390	1,670	280	20.1	290	9	LONG-TERM ON-THE-JOB TRAINING
428	65028	COOKS--INSTITUTION OR CAFETERIA	440	460	20	4.5	90	9	LONG-TERM ON-THE-JOB TRAINING
429	65032	COOKS--SPECIALTY FAST FOOD	590	710	120	20.3	120	11	SHORT-TERM ON-THE-JOB TRAINING
430	65035	COOKS--SHORT ORDER	90	110	20	22.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
431	65038	FOOD PREPARATION WORKERS	1,550	1,740	190	12.3	640	11	SHORT-TERM ON-THE-JOB TRAINING
432	65041	COMBINED FOOD PREP AND SERVICE	2,350	2,740	390	16.6	990	11	SHORT-TERM ON-THE-JOB TRAINING
433	65099	FOOD SERVICE WORKERS, NEC	620	660	40	6.5	180	11	SHORT-TERM ON-THE-JOB TRAINING
434	66000	HEALTH SERVICE, RELATED OCCS	4,130	5,000	870	21.1	530		
435	66002	DENTAL ASSISTANTS	650	780	130	20.0	80	10	MODERATE-TERM ON-THE-JOB TRAINING
436	66005	MEDICAL ASSISTANTS	430	560	130	30.2	90	10	MODERATE-TERM ON-THE-JOB TRAINING
437	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,980	2,300	320	16.2	210	11	SHORT-TERM ON-THE-JOB TRAINING
438	66011	HOME HEALTH AIDES	620	840	220	35.5	70	11	SHORT-TERM ON-THE-JOB TRAINING
440	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	160	200	40	25.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
443	66026	PHARMACY AIDES	110	120	10	9.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
444	66099	HEALTH SERVICE WORKERS, NEC	180	200	20	11.1	30	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
445	67000	CLEANING, BLDING SERV EX PRIV HOUS	4,190	4,880	690	16.5	680		
446	67002	MAIDS AND HOUSEKEEPING CLEANERS	920	1,040	120	13.0	130	11	SHORT-TERM ON-THE-JOB TRAINING
447	67005	JANITORS, CLEANERS--EXCEPT MAIDS	2,850	3,300	450	15.8	470	11	SHORT-TERM ON-THE-JOB TRAINING
448	67008	PEST CONTROLLERS AND ASSISTANTS	190	290	100	52.6	40	10	MODERATE-TERM ON-THE-JOB TRAINING
450	67099	CLEANING, BLDING SERV--EX PH, NEC	230	250	20	8.7	40	11	SHORT-TERM ON-THE-JOB TRAINING
451	68000	MISC PERSONAL SERVICE OCCUPATIONS	1,790	2,230	440	24.6	250		
453	68005	HAIRDRESSERS, HAIRSTYLISTS	390	470	80	20.5	80	7	POST-SECONDARY VOCATIONAL EDUCATION
454	68008	MANICURISTS	60	70	10	16.7	10	7	POST-SECONDARY VOCATIONAL EDUCATION
456	68014	AMUSEMENT, RECREATION ATTENDANTS	450	570	120	26.7	70	11	SHORT-TERM ON-THE-JOB TRAINING
458	68021	USHERS, LOBBY ATTENDANTS	80	110	30	37.5	10	11	SHORT-TERM ON-THE-JOB TRAINING
463	68035	PERSONAL AND HOME CARE AIDES	140	170	30	21.4	30	11	SHORT-TERM ON-THE-JOB TRAINING
464	68038	CHILD CARE WORKERS	670	840	170	25.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
466	69000	MISC SERVICE WORKERS	830	1,050	220	26.5	170	8	WORK EXPERIENCE
468	70000	AGRICULTURAL, FORESTRY, FISHING	3,650	4,290	640	17.5	760		
477	79000	MISC AG, FORESTRY, FISHING	3,650	4,290	640	17.5	760		
478	79002	FOREST, CONSERVATION WORKERS	160	170	10	6.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
480	79011	GRADERS, SORTERS--AG PRODUCTS	880	960	80	9.1	160	11	SHORT-TERM ON-THE-JOB TRAINING
483	79017	ANIMAL CARETAKERS--EXCEPT FARM	160	210	50	31.3	20	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
487	79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	2,040	2,450	410	20.1	470	11	SHORT-TERM ON-THE-JOB TRAINING
488	79806	VETERINARY ASSISTANTS	100	120	20	20.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
491	79999	AG, FORESTRY, FISHING--NEC	310	380	70	22.6	70	11	SHORT-TERM ON-THE-JOB TRAINING
492	80000	PROD, CONST, OPER, MAT HANDLING	53,680	64,400	10,720	20.0	9,730		
493	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	3,290	3,910	620	18.8	690		
494	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	800	920	120	15.0	180	8	WORK EXPERIENCE
495	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	450	630	180	40.0	100	8	WORK EXPERIENCE
496	81008	FIRST-LINE SUP/MGR-PRODUCTION	850	980	130	15.3	180	8	WORK EXPERIENCE
497	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	310	360	50	16.1	60	8	WORK EXPERIENCE
498	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	410	480	70	17.1	80	8	WORK EXPERIENCE
499	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	470	540	70	14.9	90	8	WORK EXPERIENCE
500	83000	INSPECTORS, RELATED OCCUPATIONS	1,460	1,460	0	0.0	230		
501	83002	INSPECTORS,TESTERS,& GRADERS,PREC	70	70	0	0.0	10	8	WORK EXPERIENCE
502	83005	PROD INSPECTORS, TESTERS, & GRADER	1,390	1,390	0	0.0	220	8	WORK EXPERIENCE
505	85000	MECHANICS, INSTALLERS, REPAIRERS	7,030	8,220	1,190	16.9	1,270		
506	85100	MACHINERY AND RELATED MECHANICS	3,200	3,640	440	13.8	540		
507	85110	MACHINERY MAINTENANCE MECHANICS	800	950	150	18.8	140	9	LONG-TERM ON-THE-JOB TRAINING
512	85118	MAINT MECHANICS--WATER, POWER	140	160	20	14.3	20	9	LONG-TERM ON-THE-JOB TRAINING
513	85119	MACHINERY MAINT MECHANICS, NEC	60	60	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
514	85123	MILLWRIGHTS	60	60	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
516	85128	MACHINERY MAINTENANCE WORKERS	150	180	30	20.0	30	9	LONG-TERM ON-THE-JOB TRAINING
517	85132	MAINT REPAIRERS, GENL UTILITY	1,990	2,230	240	12.1	330	9	LONG-TERM ON-THE-JOB TRAINING
518	85300	MOBILE EQUIP MECHANICS, REPAIRERS	2,250	2,590	340	15.1	410		
519	85302	AUTOMOTIVE MECHANICS	1,090	1,270	180	16.5	200	9	LONG-TERM ON-THE-JOB TRAINING
520	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	260	300	40	15.4	60	9	LONG-TERM ON-THE-JOB TRAINING
522	85311	BUS AND TRUCK MECHANICS	510	580	70	13.7	80	9	LONG-TERM ON-THE-JOB TRAINING
523	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	200	240	40	20.0	40	9	LONG-TERM ON-THE-JOB TRAINING
525	85321	FARM EQUIPMENT MECHANICS	130	140	10	7.7	20	9	LONG-TERM ON-THE-JOB TRAINING
526	85323	AIRCRAFT MECHANICS	60	60	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
537	85700	OTHER ELECTRICAL EQUIP MECHANICS	360	520	160	44.4	100		
538	85702	TELEPHONE, CABLE TV INSTALLERS	240	360	120	50.0	70	9	LONG-TERM ON-THE-JOB TRAINING
543	85717	ELECT REPAIRERS--COMMERCIAL	120	160	40	33.3	30	7	POST-SECONDARY VOCATIONAL EDUCATION
549	85900	MISC MECH, INSTALLERS, REPAIRERS	1,220	1,470	250	20.5	220		
550	85902	HEATING, AC, REFRIG MECHANICS	440	610	170	38.6	70	9	LONG-TERM ON-THE-JOB TRAINING
558	85926	OFF MACH, CASH REGISTER SERVICERS	70	80	10	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
563	85944	GAS APPLIANCE REPAIRERS	80	90	10	12.5	20	9	LONG-TERM ON-THE-JOB TRAINING
566	85953	TIRE REPAIRERS AND CHANGERS	210	220	10	4.8	70	11	SHORT-TERM ON-THE-JOB TRAINING
568	85999	MECHS, INSTALLERS, REPAIRERS, NEC	420	470	50	11.9	50	9	LONG-TERM ON-THE-JOB TRAINING
569	87000	CONSTRUCTION TRADES	5,690	7,750	2,060	36.2	1,060		
570	87100	CARPENTERS AND RELATED WORKERS	1,870	2,610	740	39.6	380		
571	87102	CARPENTERS	1,480	2,050	570	38.5	330	9	LONG-TERM ON-THE-JOB TRAINING

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573	87108	DRYWALL INSTALLERS	250	360	110	44.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
574	87111	TAPERS	140	200	60	42.9	20	10	MODERATE-TERM ON-THE-JOB TRAINING
577	87200	ELECTRICIANS AND RELATED WORKERS	930	1,260	330	35.5	160		
578	87202	ELECTRICIANS	930	1,260	330	35.5	160	9	LONG-TERM ON-THE-JOB TRAINING
579	87300	MASONS AND RELATED WORKERS	680	940	260	38.2	100		
580	87302	BRICKMASONS	60	90	30	50.0	10	9	LONG-TERM ON-THE-JOB TRAINING
582	87308	HARD TILE SETTERS	170	230	60	35.3	40	9	LONG-TERM ON-THE-JOB TRAINING
583	87311	CONCRETE AND TERRAZZO FINISHERS	390	540	150	38.5	40	9	LONG-TERM ON-THE-JOB TRAINING
584	87314	REINFORCING METAL WORKERS	60	80	20	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
586	87400	PAINTERS AND RELATED WORKERS	480	660	180	37.5	100		
587	87402	PAINTERS, PAPERHANGERS--CONST	480	660	180	37.5	100	10	MODERATE-TERM ON-THE-JOB TRAINING
588	87500	PLUMBERS AND RELATED WORKERS	380	500	120	31.6	40		
589	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	380	500	120	31.6	40	9	LONG-TERM ON-THE-JOB TRAINING
593	87600	CARPET, FLOOR INSTALLERS	120	150	30	25.0	20		
594	87602	CARPET INSTALLERS	120	150	30	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
597	87700	SELECTED ROAD, RAIL AND RELATED	270	320	50	18.5	50		
600	87708	PAVING, TAMPING-EQUIP OPERATORS	140	170	30	21.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
601	87711	HIGHWAY MAINTENANCE WORKERS	130	150	20	15.4	20	11	SHORT-TERM ON-THE-JOB TRAINING
603	87800	CONSTRUCTION TRADES, NEC	880	1,220	340	38.6	190		
606	87805	SHEET METAL DUCT INSTALLERS	60	90	30	50.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
607	87808	ROOFERS	210	290	80	38.1	60	10	MODERATE-TERM ON-THE-JOB TRAINING

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609	87814	STRUCTURAL METAL WORKERS	220	300	80	36.4	50	9	LONG-TERM ON-THE-JOB TRAINING
610	87817	FENCE ERECTORS	170	240	70	41.2	30	10	MODERATE-TERM ON-THE-JOB TRAINING
611	87899	CONSTRUCTION TRADES WORKERS, NEC	220	300	80	36.4	40	10	MODERATE-TERM ON-THE-JOB TRAINING
612	87900	EXTRACTIVE AND RELATED WORKERS	80	90	10	12.5	20		
626	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	80	90	10	12.5	20	10	MODERATE-TERM ON-THE-JOB TRAINING
627	89000	PRODUCTION OCCUPATIONS, PRECISION	2,660	3,260	600	22.6	450		
628	89100	METAL WORKERS, PRECISION	760	940	180	23.7	130		
631	89108	MACHINISTS	370	420	50	13.5	50	9	LONG-TERM ON-THE-JOB TRAINING
634	89117	LAYOUT WORKERS--METAL, PRECISION	50	70	20	40.0	10	9	LONG-TERM ON-THE-JOB TRAINING
639	89132	SHEET METAL WORKERS	340	450	110	32.4	70	10	MODERATE-TERM ON-THE-JOB TRAINING
642	89300	WOODWORKERS, PRECISION	430	520	90	20.9	50		
645	89308	WOOD MACHINISTS	140	160	20	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
646	89311	CABINETMAKERS AND BENCH CARPENTERS	150	180	30	20.0	10	9	LONG-TERM ON-THE-JOB TRAINING
648	89399	WOODWORKERS, NEC--PRECISION	140	180	40	28.6	30	9	LONG-TERM ON-THE-JOB TRAINING
677	89900	OTHER PRECISION WORKERS	1,470	1,800	330	22.4	270		
684	89921	DENTAL LAB TECHNICIANS, PRECISION	70	70	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
687	89999	WORKERS, PRECISION--NEC	1,400	1,730	330	23.6	260	9	LONG-TERM ON-THE-JOB TRAINING
688	91000	MACH SETTERS, SET-UP, OPS, TENDERS	5,560	6,530	970	17.4	990		
696	91300	MACH FORMING SETTERS--METAL,PLASTI	600	800	200	33.3	120		

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SAN JOAQUIN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
698	91305	PRESS MACH SETTERS--METAL, PLASTIC	100	120	20	20.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
703	91321	MACH FORMING OPS,TENDRS--MET, PLAS	500	680	180	36.0	100	10	MODERATE-TERM ON-THE-JOB TRAINING
704	91500	MACH TOOL SETTERS, OPS--METAL,PLAS	90	110	20	22.2	20		
705	91502	NUMERICAL MACH TOOL OPS--MET, PLAS	90	110	20	22.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
708	91700	METAL FABRICATING MACH SETTERS,OPS	590	740	150	25.4	100		
710	91705	WELDING MACH OPERATORS AND TENDERS	170	210	40	23.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
713	91714	METAL FABRICATOR, STRUCT MET PRODS	420	530	110	26.2	70	10	MODERATE-TERM ON-THE-JOB TRAINING
714	91900	METAL, PLAST PROCESS MACH SETTERS	150	180	30	20.0	30		
715	91902	PLAST MOLDING, CASTING MACH SETTER	80	100	20	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
716	91905	PLASTIC MOLDING, CASTING MACH OPS	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
729	92100	METAL, PLAST MACH SETTERS, OPS NEC	50	60	10	20.0	10		
731	92198	CUT, FORM, FAB, PROCESS MACH OPS	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
732	92300	WOODWORKING MACH SETTERS, OPS	210	220	10	4.8	40		
735	92308	SAWING MACH OPS AND TENDERS	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
737	92314	WOODWORK MACH OPS,TNDRS--EX SAWING	110	110	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
738	92500	PRINTING, BINDING, RELATED WORKERS	140	160	20	14.3	20		
748	92543	PRINTING PRESS MACHINE OPS, TENDER	140	160	20	14.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
752	92700	TEXTILE, RELATED SETTERS, OPS	310	360	50	16.1	40		
759	92721	SEWING MACHINE OPS--NON-GARMENT	110	130	20	18.2	10	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	130	150	20	15.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
762	92728	PRESSING MACH OPS--TEXTILE, GARMEN	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
763	92900	MACH SETTER,SET-UP,OP--EX MET,PLAS	3,420	3,900	480	14.0	610		
766	92908	PHOTOGRAPHIC PROC MACH OPS,TNDRS	330	380	50	15.2	100	11	SHORT-TERM ON-THE-JOB TRAINING
769	92917	COOKING MACH OPS,TNDRS-FOOD,TOBACC	80	80	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
771	92923	FURNACE, KILN, KETTLE OPS, TENDERS	90	100	10	11.1	10	10	MODERATE-TERM ON-THE-JOB TRAINING
774	92932	DAIRY PROC EQUIP OPRS--INC SETTERS	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
777	92941	CUT, SLICING MACH SETTERS, SET-UP	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
778	92944	CUTTING, SLICING MACH OPS, TNDRS	90	110	20	22.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
779	92947	PAINTERS, TRANSPORTATION EQUIP	110	120	10	9.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
780	92951	PAINT, COAT & SPRAY MACH SETTERS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
781	92953	PAINTING, REL MACH OPS, TENDERS	120	140	20	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
783	92958	CLEANING, PICKLING EQUIP OPS,TNDRS	60	60	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
784	92962	SEPARATING, STILL MACH OPS, TNDRS	120	130	10	8.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
785	92965	CRUSHING, MIXING MACH OPS, TNDRS	380	430	50	13.2	70	10	MODERATE-TERM ON-THE-JOB TRAINING
786	92968	EXTRUDING, FORMING, SETTERS, SET-U	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
787	92971	EXTRUDING, FORMING MACH OPS, TNDRS	120	140	20	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92974	PACKAGING, FILLING MACH OPS, TNDRS	950	1,080	130	13.7	190	10	MODERATE-TERM ON-THE-JOB TRAINING
789	92997	MACHINE SETTERS & SET-UP OPS, NEC	270	330	60	22.2	30	10	MODERATE-TERM ON-THE-JOB TRAINING
790	92998	MACHINE OPERATORS AND TENDERS, NEC	480	550	70	14.6	50	10	MODERATE-TERM ON-THE-JOB TRAINING
791	93000	ASSEMBLERS AND FABRICATORS--HAND	4,760	5,330	570	12.0	810		
792	93100	ASSEMBLERS, PRECISION	260	280	20	7.7	50		
795	93108	FITTERS, STRUCTURAL METAL--PREC	170	180	10	5.9	30	8	WORK EXPERIENCE
797	93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	90	100	10	11.1	20	8	WORK EXPERIENCE

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
800	93900	OTHER HAND WORKERS	4,500	5,050	550	12.2	760		
802	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	70	70	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
805	93914	WELDERS AND CUTTERS	890	1,060	170	19.1	170	7	POST-SECONDARY VOCATIONAL EDUCATION
806	93917	SOLDERERS AND BRAZERS	80	110	30	37.5	20	11	SHORT-TERM ON-THE-JOB TRAINING
807	93921	PRESSERS--HAND	50	60	10	20.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
808	93923	SEWERS--HAND	220	220	0	0.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
812	93935	CANNERY WORKERS	1,050	960	-90	-8.6	180	11	SHORT-TERM ON-THE-JOB TRAINING
813	93938	MEAT, POULTRY, FISH CUTTERS--HAND	120	140	20	16.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
818	93953	GRINDING, POLISHING WORKERS--HAND	90	110	20	22.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
819	93956	ASSEMB, FABRICATORS--EX MACH,ELECT	1,450	1,740	290	20.0	200	11	SHORT-TERM ON-THE-JOB TRAINING
820	93999	HAND WORKERS, NEC	480	580	100	20.8	100	11	SHORT-TERM ON-THE-JOB TRAINING
821	95000	PLANT AND SYSTEM OCCUPATIONS	810	890	80	9.9	170		
822	95002	WATER TREATMENT PLANT OPERATORS	270	300	30	11.1	50	9	LONG-TERM ON-THE-JOB TRAINING
828	95021	POWER PLANT OPS--EX AUXILIARY EQUI	60	70	10	16.7	10	9	LONG-TERM ON-THE-JOB TRAINING
832	95032	STATIONARY ENGINEERS	70	70	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
833	95099	PLANT AND SYSTEM OPERATORS, NEC	410	450	40	9.8	100	9	LONG-TERM ON-THE-JOB TRAINING
834	97000	TRANS, MATERIAL MOVING MACHINE OPS	11,980	14,190	2,210	18.4	1,410		
835	97100	MOTOR VEHICLE OPERATORS	8,060	9,610	1,550	19.2	930		
836	97102	TRUCK DRIVERS, HEAVY	4,650	5,530	880	18.9	510	11	SHORT-TERM ON-THE-JOB TRAINING
837	97105	TRUCK DRIVERS, LIGHT	2,020	2,520	500	24.8	230	11	SHORT-TERM ON-THE-JOB TRAINING
838	97108	BUS DRIVERS	90	100	10	11.1	10	10	MODERATE-TERM ON-THE-JOB TRAINING
839	97111	BUS DRIVERS--SCHOOL	700	830	130	18.6	100	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
840	97114	TAXI DRIVERS AND CHAUFFEURS	80	90	10	12.5	10	11	SHORT-TERM ON-THE-JOB TRAINING
841	97117	DRIVER/SALES WORKERS	400	420	20	5.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
842	97199	MOTOR VEHICLE OPERATORS, NEC	120	120	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
861	97800	MISC TRANSPORTATION WORKERS	460	480	20	4.3	90		
863	97805	SERVICE STATION ATTENDANTS	160	140	-20	-12.5	50	11	SHORT-TERM ON-THE-JOB TRAINING
865	97899	TRANS AND RELATED WORKERS, NEC	300	340	40	13.3	40	10	MODERATE-TERM ON-THE-JOB TRAINING
866	97900	MATERIAL MOVEMENT EQUIP OPERATORS	3,460	4,100	640	18.5	390		
874	97923	EXCAVATING, LOADING MACHINE OPS	160	250	90	56.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97938	GRADER, DOZER, SCRAPER OPERATORS	190	260	70	36.8	10	10	MODERATE-TERM ON-THE-JOB TRAINING
881	97944	CRANE AND TOWER OPERATORS	80	90	10	12.5	10	10	MODERATE-TERM ON-THE-JOB TRAINING
882	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	2,170	2,480	310	14.3	190	11	SHORT-TERM ON-THE-JOB TRAINING
883	97951	CONVEYOR OPERATORS AND TENDERS	130	150	20	15.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
885	97956	OPERATING ENGINEERS	130	170	40	30.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
886	97989	MATERIAL MOVING EQUIP OPS, NEC	550	640	90	16.4	100	10	MODERATE-TERM ON-THE-JOB TRAINING
887	97999	TRANS, MAT MOVING EQUIP OPS, NEC	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
888	98000	HELPERS, LABORERS, HAND--EX AG	10,440	12,860	2,420	23.2	2,650		
889	98100	MECHANIC AND REPAIRER HELPERS	590	690	100	16.9	210		
890	98102	HELPERS, MECHANIC & REPAIRER	590	690	100	16.9	210	11	SHORT-TERM ON-THE-JOB TRAINING
891	98300	CONST TRADES, EXTRACTIVE--HELPERS	1,080	1,470	390	36.1	360		
892	98311	HELPERS--BRICK,STONE MASONS	100	140	40	40.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
893	98312	HELPERS--CARPENTERS AND RELATED	470	660	190	40.4	190	11	SHORT-TERM ON-THE-JOB TRAINING
896	98315	HELPERS--PLUMBERS AND RELATED	180	240	60	33.3	70	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN JOAQUIN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
898	98319	HELPERS--CONSTRUCTION TRADES, NEC	150	210	60	40.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
900	98399	HELPERS-CONST TRDS & EXTRCT WRKRS	180	220	40	22.2	0	11	SHORT-TERM ON-THE-JOB TRAINING
901	98500	MACHINE FEEDERS AND OFFBEARERS	410	460	50	12.2	90		
902	98502	MACHINE FEEDERS AND OFFBEARERS,NEC	410	460	50	12.2	90	11	SHORT-TERM ON-THE-JOB TRAINING
903	98700	FREIGHT, STOCK, MAT MOVERS, HAND	1,500	1,730	230	15.3	440		
906	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	1,500	1,730	230	15.3	440	11	SHORT-TERM ON-THE-JOB TRAINING
907	98900	MISC HELPERS, LABORERS--HAND	6,860	8,510	1,650	24.1	1,550		
908	98902	HAND PACKERS AND PACKAGERS	1,780	2,390	610	34.3	360	11	SHORT-TERM ON-THE-JOB TRAINING
909	98905	VEHICLE WASHERS, EQUIP CLEANERS	430	490	60	14.0	100	11	SHORT-TERM ON-THE-JOB TRAINING
910	98999	MISC HELPERS, LABORERS--HAND, NEC	4,650	5,630	980	21.1	1,090	11	SHORT-TERM ON-THE-JOB TRAINING
911		OCCUPATIONS NOT CLASSIFIED	40	50	10	25.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
SAN JOAQUIN COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49023	CASHIERS	2,600	11	SHORT-TERM ON-THE-JOB TRAINING
49011	SALESPERSONS, RETAIL	2,570	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	1,600	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	1,510	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	1,390	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	1,380	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	1,350	5	BACHELOR'S DEGREE
19005	GENERAL MANAGERS, TOP EXECUTIVE	1,300	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
31305	TEACHERS--ELEMENTARY SCHOOL	1,140	5	BACHELOR'S DEGREE
98902	HAND PACKERS AND PACKAGERS	970	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAID	920	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	900	9	LONG-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	880	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	830	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	830	11	SHORT-TERM ON-THE-JOB TRAINING
51002	FIRST-LINE SUP/MGR, CLERK, ADM	790	8	WORK EXPERIENCE
32502	REGISTERED NURSES	780	6	ASSOCIATE DEGREE
97105	TRUCK DRIVERS, LIGHT	730	11	SHORT-TERM ON-THE-JOB TRAINING
41002	FIRST-LINE SUP/MGR--SALES	700	8	WORK EXPERIENCE
55305	RECEPTIONISTS, INFORMATION CLERKS	660	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	590	6	ASSOCIATE DEGREE
65026	COOKS--RESTAURANT	570	9	LONG-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENL UTILITY	570	9	LONG-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	530	10	MODERATE-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	530	11	SHORT-TERM ON-THE-JOB TRAINING

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
SAN JOAQUIN COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49017	COUNTER AND RENTAL CLERKS	520	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	510	7	POST-SECONDARY VOCATIONAL EDUCATION
27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	500	5	BACHELOR'S DEGREE
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	500	11	SHORT-TERM ON-THE-JOB TRAINING
97947	INDUSTRIAL TRUCK,TRACTOR OPERATOR	500	11	SHORT-TERM ON-THE-JOB TRAINING
65017	COUNTER ATTENDANTS--FOOD	490	11	SHORT-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	490	9	LONG-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH,ELECTRIC	490	11	SHORT-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	460	11	SHORT-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	430	11	SHORT-TERM ON-THE-JOB TRAINING
27308	HUMAN SERVICES WORKERS	420	10	MODERATE-TERM ON-THE-JOB TRAINING
49034	DEMONSTRATORS AND PROMOTERS	420	10	MODERATE-TERM ON-THE-JOB TRAINING
63017	CORRECTION OFFICERS, JAILERS	420	9	LONG-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	380	9	LONG-TERM ON-THE-JOB TRAINING
98312	HELPERS--CARPENTERS AND RELATED	380	11	SHORT-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	340	10	MODERATE-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	340	9	LONG-TERM ON-THE-JOB TRAINING
93914	WELDERS AND CUTTERS	340	7	POST-SECONDARY VOCATIONAL EDUCATION
53102	TELLERS	330	11	SHORT-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	320	5	BACHELOR'S DEGREE
92974	PACKAGING, FILLING MACH OPS, TENDERS	320	10	MODERATE-TERM ON-THE-JOB TRAINING
81008	FIRST-LINE SUP/MGR-PRODUCTION	310	8	WORK EXPERIENCE
98102	HELPERS, MECHANIC & REPAIRER	310	11	SHORT-TERM ON-THE-JOB TRAINING
81002	FIRST-LINE SUP/MGR-MECH, REPAIR	300	8	WORK EXPERIENCE
66011	HOME HEALTH AIDES	290	11	SHORT-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		36,730		

(1) Excludes not elsewhere classified (NEC) categories.

Table 8
Occupations With Projected Declines (1)
1999 - 2006
SAN JOAQUIN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
55307	TYPISTS, INCLUDING WORD PROCESSING	730	630	-100	90	10	MODERATE-TERM ON-THE-JOB TRAINING
93935	CANNERY WORKERS	1,050	960	-90	180	11	SHORT-TERM ON-THE-JOB TRAINING
97805	SERVICE STATION ATTENDANTS	160	140	-20	50	11	SHORT-TERM ON-THE-JOB TRAINING
53502	WELFARE ELIG WORKERS, INTERVIEWERS	250	240	-10	40	10	MODERATE-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		2,190	1,970	-220	360		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

Appendix

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	856	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDITORS, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	311	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	335	53908
AERONAUTICAL, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL, FORESTRY, FISHING	468	70000
AGRICULTURE, FORESTRY, FISHING--NEC	491	79999
AIR HAMMER OPERATORS	598	87702
AIR TRANSPORTATION WORKERS	859	97700
AIRCRAFT ASSEMBLERS--PRECISION	793	93102
AIRCRAFT ENGINE SPECIALISTS	527	85326
AIRCRAFT MECHANICS	526	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	860	97702
AIRPLANE DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AMBULANCE DRIVERS, ATTENDANTS, EX EMERGENCY MEDICAL TECHNICIANS	442	66023
AMUSEMENT, RECREATION ATTENDANTS	456	68014
ANIMAL BREEDERS	481	79015
ANIMAL CARETAKERS--EXCEPT FARM	483	79017
ANIMAL TRAINERS	482	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHROPOLOGY & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	280	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA, ETHNIC, & CULTURAL STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMBLERS AND FABRICATORS--HAND WORKING	791	93000
ASSEMBLERS, FABRICATORS--EX MACHINE, ELECTRICAL, PRECISION	819	93956
ASSEMBLERS, NEC--PRECISION	799	93197
ASSEMBLERS, PRECISION	792	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRES, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	520	85305
AUTOMOTIVE MECHANICS	519	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	829	95023
BAGGAGE PORTERS AND BELLHOPS	459	68023
BAILIFFS	408	63023
BAKERS--BREAD AND PASTRY	425	65021

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	674	89805
BANKING, SECURITY, FINANCE, CREDIT WORKERS	303	53100
BARBERS	452	68002
BARTENDERS	420	65005
BICYCLE REPAIRERS	565	85951
BILL AND ACCOUNT COLLECTORS	323	53508
BILLING, COST, AND RATE CLERKS	357	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	360	56002
BINDERY MACHINE OPERATORS, TENDERS	750	92546
BINDERY MACHINE SETTERS, SET-UP OPERATORS	745	92525
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL, FOOD TECHS	96	24502
BLASTERS AND EXPLOSIVES WORKERS	614	87905
BOILER OPERATORS, TENDERS--LOW PRESSURE	772	92926
BOILERMAKERS	640	89135
BOOKBINDERS	670	89721
BOOKKEEPING, ACCOUNTING, AUDITING CLERKS	355	55338
BRATTICE BUILDERS	576	87121
BRICKMASONS	580	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	862	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	313	53128
BROKERS--REAL ESTATE	278	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	522	85311
BUS DRIVERS	838	97108
BUS DRIVERS--SCHOOL	839	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	426	65023
CABINETMAKERS AND BENCH CARPENTERS	646	89311
CAMERA OPERATORS	665	89713
CAMERA OPERATORS--TELEVISION AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	554	85914
CANNERY WORKERS	812	93935
CAPTAINS--WATER VESSEL	852	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	571	87102
CARPENTRY AND RELATED WORKERS	570	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	811	93932
CARPET INSTALLERS	594	87602
CARPET, FLOOR INSTALLERS	593	87600
CASHIERS	294	49023
CEILING TILE INSTALLERS	572	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	782	92956
CENTRAL OFFICE AND PBX INSTALLERS	531	85502
CENTRAL OFFICE OPERATORS	372	57108
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	775	92935
CHEMICAL EQUIPMENT TENDERS	776	92938

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL PLANT, SYSTEM OPERATORS	824	95008
CHEMICAL TECHS--EXCEPT HEALTH	97	24505
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	464	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	473	73005
CIVIL ENGINEERING TECHS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE WORKERS	445	67000
CLEANING, BUILDING SERVICE WORKERS, NEC	450	67099
CLEANING, WASHING, PICKLING EQUIPMENT OPERATORS,TENDERS	783	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	393	59999
CLERICAL, ADMINISTRATIVE SUPPORT	299	50000
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	392	59000
COIL WINDERS, TAPERS, FINISHERS	803	93908
COIN VENDING MACHINE SERVICERS	564	85947
COMBINATION MACHINE TOOL OPERATORS--METAL, PLASTIC	707	91508
COMBINATION MACHINE TOOL SETTERS--METAL, PLASTIC	706	91505
COMBINED FOOD PREPARATION, SERVICE WORKERS	432	65041
COMMUNICATION EQUIPMENT MECHANICS, NEC	536	85599
COMMUNICATION EQUIPMENT OPERATORS, NEC	374	57199
COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	530	85500
COMMUNICATIONS EQUIPMENT OPERATORS	369	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	368	57000
COMMUNICATIONS, TRANSPORTATION, UTILITIES OPERATION MANAGERS	16	15023
COMPLIANCE OFFICERS, ENFORCEMENT INSPECTORS--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATIONS--EX PERIPHERAL EQUIPMENT	363	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS,NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL, OPERATIONS RESEARCH, RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	583	87311
CONST, EXTRACTIVE--EX HELPERS, NEC	626	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	569	87000
CONSTRUCTION TRADES WORKERS, NEC	611	87899
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	891	98300
CONSTRUCTION TRADES, NEC	603	87800
CONSTRUCTION, BUILDING INSPECTORS	45	21908
CONTINUOUS MINING MACHINE OPERATOR	622	87941
CONVEYOR OPERATORS AND TENDERS	883	97951

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPERATORS, TENDERS--FOOD, TOBACCO	769	92917
COOKS--FAST FOOD	429	65032
COOKS--INSTITUTION OR CAFETERIA	428	65028
COOKS--RESTAURANT	427	65026
COOKS--SHORT ORDER	430	65035
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	773	92928
CORRECTION OFFICERS, JAILERS	406	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	348	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	292	49017
COUNTER ATTENDANTS--FOOD	424	65017
COURT CLERKS	325	53702
CRANE AND TOWER OPERATORS	881	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	308	53114
CREDIT CHECKERS	309	53117
CRIMINAL INVESTIGATORS, PUBLIC SERVICE	410	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS	176	31246
CROSSING GUARDS	415	63044
CRUSHING, GRINDING, MIXING MACHINE OPERATORS, TENDERS	785	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	651	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	354	55335
CUTTERS AND TRIMMERS--HAND	809	93926
CUTTING, FORMING, FABRICATING, PROCESSING MACHINE OPERATORS	731	92198
CUTTING, FORMING, FABRICATING, PROCESSING MACHINE SETTER	730	92197
CUTTING, SLICING MACHINE OPERATORS, TENDERS	778	92944
CUTTING, SLICING MACHINE SETTERS, SET-UP OPERATORS	777	92941
DAIRY PROCESSING EQUIPMENT OPERATORS--INCLUDING SETTERS	774	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	365	56017
DATA KEYERS--COMPOSING	366	56021
DATA PROCESSING EQUIPMENT REPAIRERS	539	85705
DEMONSTRATORS AND PROMOTERS	296	49034
DENTAL ASSISTANTS	435	66002
DENTAL HYGIENISTS	233	32908
DENTAL LAB TECHNICIANS, PRECISION	684	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	617	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS, PRECISION	681	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	412	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	423	65014
DIRECTORS, RELIGIOUS ACTIVITIES, EDUCATION	132	27505
DIRECTORY ASSISTANCE OPERATORS	371	57105
DISPATCHERS--EX POLICE, FIRE, AMBULANCE	382	58005

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCHERS--POLICE, FIRE, AMBULANCE	381	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	875	97926
DREDGE OPERATORS	876	97928
DRILLING MACHINE SETTERS--METAL, PLASTIC	692	91108
DRIVER/SALES WORKERS	841	97117
DRYWALL INSTALLERS	573	87108
DUPLICATING MACHINE OPERATORS	361	56005
DYERS, PRECISION	656	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	613	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCLUDING MARKET RESEARCH ANALYSTS	120	27102
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	541	85711
ELECTRIC METER INSTALLERS, REPAIRERS	553	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	542	85714
ELECTRICAL AND RELATED WORKERS	577	87200
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	797	93114
ELECTRICAL EQUIPMENT MECHANICS, NEC	548	85799
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	547	85728
ELECTRICAL POWER-LINE INSTALLERS	545	85723
ELECTRICAL, ELECTRONIC ASSEMBLERS	802	93905
ELECTRICAL, ELECTRONIC ENGINEERING TECHS	75	22505
ELECTRICAL, ELECTRONIC ENGINEERS	61	22126
ELECTRICIANS	578	87202
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	721	91921
ELECTROLYTIC PLATING, MACHINE SETTER	720	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION	796	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	552	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC DATA PROCESSING AND OFFICE MACHINE WORKERS	359	56000
ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	540	85708
ELECTRONIC PAGINATION SYSTEM WORKERS	662	89707
ELECTRONIC SEMICONDUCTOR PROCESSORS	764	92902
ELECTRONICS REPAIRERS--COMMERCIAL AND INDUSTRIAL	543	85717
ELEVATOR INSTALLERS AND REPAIRERS	560	85932
ELEVATOR OPERATORS	449	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING, RELATED TECHS	73	22500
ENGINEERING, RELATED TECHS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANGUAGE & LITERATURE TEACHERS, POSTSECONDARY	158	31214

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ENGRAVING, PRINTING WORKERS--HAND	817	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	638	89128
EXCAVATING, LOADING MACHINE OPS	874	97923
EXTRACTIVE AND RELATED WORKERS	612	87900
EXTRACTIVE WORKERS--EX HELPERS, NEC	625	87989
EXTRUDING MACHINE OPERATORS, TENDERS--SYNTHETIC/GLASS	755	92708
EXTRUDING MACHINE SETTERS--METAL, PLASTIC	700	91311
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	787	92971
EXTRUDING, FORMING, SETTERS, SET-UP OPERATORS	786	92968
FALLERS AND BUCKERS	472	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	525	85321
FARM EQUIPMENT OPERATORS	484	79021
FARMWORKERS-FARM/RANCH ANIMALS	490	79858
FARMWORKERS-FOOD, FIBER CROPS	489	79856
FENCE ERECTORS	610	87817
FILE CLERKS	349	55321
FILM EDITORS	256	34032
FINANCIAL ANALYSTS, STATISTICAL	115	25315
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	403	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	396	61002
FIRE INSPECTORS	401	63002
FIRST-LINE SUP/MGR-AGRICULTURE	470	72002
FIRST-LINE SUP/MGR-AGRICULTURE, FORESTRY, FISHING	469	72000
FIRST-LINE SUP/MGR-BLUE COLLAR	493	81000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	499	81099
FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT	300	51000
FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT	301	51002
FIRST-LINE SUP/MGR-CONSTRUCTION, EXTRACTIVE	495	81005
FIRST-LINE SUP/MGR-HELPERS, LABORERS	498	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	494	81002
FIRST-LINE SUP/MGR-PRODUCTION, OPERATING	496	81008
FIRST-LINE SUP/MGR-SALES	274	41000
FIRST-LINE SUP/MGR-SALES	275	41002
FIRST-LINE SUP/MGR-SERVICE	395	61000
FIRST-LINE SUP/MGR-SERVICE WORKERS, NEC	399	61099
FIRST-LINE SUP/MGR-TRANSPORTATION	497	81011
FISH AND GAME WARDENS	414	63041
FITTERS, STRUCTURAL METAL--PRECISION	795	93108
FLIGHT ATTENDANTS	460	68026
FLOOR LAYERS--EX CARPET, WOOD, TILES	595	87605
FLOOR SANDING MACHINE OPERATORS	596	87608
FOOD AND TOBACCO WORKERS, NEC	676	89899
FOOD BATCHMAKERS	675	89808
FOOD PREPARATION WORKERS	431	65038
FOOD SERVERS--OUTSIDE	422	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
FOOD SERVICE WORKERS, NEC	433	65099
FOOD WORKERS, PRECISION	672	89800
FOOD, BEVERAGE PREPARATION, SERVICE WORKERS	418	65000
FOREIGN LANGUAGE & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENTION SPECIALISTS	402	63005
FOREST, CONSERVATION WORKERS	478	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS--METAL, PLASTIC	702	91317
FOUNDRY MOLD ASSEMBLY, SHAKE-OUT	719	91914
FOUNDRY MOLD, COREMAKERS, PRECISION	678	89902
FRAME WIRERS, CENTRAL OFFICE	532	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	906	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	903	98700
FUNERAL ATTENDANTS	465	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	726	91935
FURNACE, KILN, OVEN, DRIER, KETTLE OPERATORS, TENDERS	771	92923
FURNITURE FINISHERS	647	89314
GAS APPLIANCE REPAIRERS	563	85944
GAS COMPRESSOR OPERATORS	873	97921
GAS PLANT OPERATORS	823	95005
GAS PUMPING STATION OPERATORS	872	97917
GAUGERS	827	95017
GEM AND DIAMOND WORKERS	686	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	358	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGISTS, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	608	87811
GLAZIERS, MANUFACTURING	804	93911
GRADER, BULLDOZER, SCRAPER OPERATORS	879	97938
GRADERS, SORTERS--AGRICULTURAL PRODUCTS	480	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER--METAL, PLASTIC	694	91114
GRINDING, POLISHING WORKERS--HAND	818	93953
GUARDS AND WATCH GUARDS	416	63047
GUIDES	457	68017
HAIRDRESSERS, HAIRSTYLISTS, COSMETOLOGISTS	453	68005
HAND COMPOSITORS AND TYPESETTERS	659	89702
HAND PACKERS AND PACKAGERS	908	98902
HAND WORKERS, NEC	820	93999
HAND WORKERS--JEWELRY, PRECISION	637	89126
HARD TILE SETTERS	582	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	605	87803
HEAD SAWYERS	734	92305
HEALTH ASSESSMENT, TREATMENT TEACHERS, POSTSECONDARY	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS NEC	244	32999
HEALTH DIAGNOSING, TREATING PRACTITIONERS	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000
HEALTH SERVICE WORKERS, NEC	444	66099
HEALTH SERVICE, RELATED WORKERS	434	66000
HEAT TREATING MACHINE OPERATORS, TENDERS	725	91932
HEATERS, METAL & PLASTIC	727	91938
HEATING EQUIPMENT SETTERS-METAL, PLASTIC	724	91928
HEATING, AIR CONDITIONING, REFRIGERATION MECHANICS	550	85902
HELPERS, LABORERS, HAND-EX AG	888	98000
HELPERS, MECHANIC & REPAIRER	890	98102
HELPERS--BRICK, STONE MASONS	892	98311
HELPERS--CARPENTERS AND RELATED	893	98312
HELPERS--CONSTRUCTION TRADES & EXTRACTIVE WORKERS	900	98399
HELPERS--CONSTRUCTION TRADES, NEC	898	98319
HELPERS--ELECTRICIANS, POWERLINE INSTALLERS	894	98313
HELPERS--EXTRACTIVE WORKERS	899	98323
HELPERS--PAINTERS AND RELATED	895	98314
HELPERS--PLUMBERS AND RELATED	896	98315
HELPERS--ROOFERS	897	98316
HIGHWAY MAINTENANCE WORKERS	601	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	880	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH AIDES	438	66011
HOSTS, HOSTESSES--RESTAURANTS	419	65002
HOTEL DESK CLERKS	331	53808
HOUSEKEEPING SUPERVISORS	398	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS	76	22508
INDUSTRIAL ENGINEERS--EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	882	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	302	53000
INSPECTORS, PRECISION, TESTERS & GRADERS	501	83002
INSPECTORS, PRODUCTION, TESTERS & GRADERS	502	83005
INSPECTORS, RELATED OCCUPATIONS	500	83000
INSPECTORS, TESTERS, RELATED, NEC	504	83099
INSTALLERS & REPAIRERS, MOBILE HOME	562	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES--SPORTS	192	31321
INSTRUCTORS--NON-VOC EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	630	89105
INSTRUMENT REPAIRERS, PRECISION	551	85905
INSULATION WORKERS	604	87802
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	315	53302
INSURANCE APPRAISERS--AUTO DAMAGE	316	53305
INSURANCE CLAIMS CLERKS	318	53311
INSURANCE EXAMINING CLERKS	317	53308
INSURANCE POLICY PROCESSING CLERKS	319	53314
INSURANCE UNDERWRITERS	26	21102

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
INSURANCE WORKERS	314	53300
INTERIOR DESIGNERS	259	34041
INTERVIEWING CLERKS--EX PERSONNEL, WELFARE	353	55332
INVESTIGATIVE, RELATED, EX INSURANCE	320	53500
INVESTIGATORS--CLERICAL	322	53505
JANITORS, CLEANERS--EXCEPT MAIDS	447	67005
JEWELERS AND SILVERSMITHS	636	89123
JOB PRINTERS	660	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	487	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS--METAL, PLASTIC	691	91105
LATHERS	575	87114
LAUNDRY, DRYCLEAN MACHINE OPERATORS--EX PRESSING	761	92726
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	634	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPS	741	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	333	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	327	53708
LICENSED PRACTICAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	663	89710
LITHOGRAPHY& PHOTOENGRAVING WORKERS,NEC	669	89719
LOADING MACHINE OPERATORS--MINING	877	97932
LOAN AND CREDIT CLERKS	310	53121
LOAN INTERVIEWERS	307	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	557	85923
LOCOMOTIVE ENGINEERS	845	97305
LOCOMOTIVE FIRERS	847	97311
LODGING AND TRAVEL WORKERS	328	53800
LOG GRADERS AND SCALERS	479	79008
LOGGING TRACTOR OPERATORS	475	73011
LOG-HANDLING EQUIPMENT OPERATORS	474	73008
LONGSHORE EQUIPMENT OPERATORS	867	97902
MACHINE ASSEMBLERS	801	93902
MACHINE BUILDERS, OTHER PRECISION MACHINE ASSEMBLERS	794	93105

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MACHINE FEEDERS AND OFFBEARERS	901	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	902	98502
MACHINE FORMING OPERATORS, TENDERS--METAL, PLASTIC	703	91321
MACHINE FORMING SETTERS--METAL, PLASTIC	696	91300
MACHINE OPERATORS AND TENDERS, NEC	790	92998
MACHINE SETTER, SET-UP, OPERATOR--EX METAL, PLASTIC	763	92900
MACHINE SETTERS, SET-UP OPERATORS, NEC	789	92997
MACHINE SETTERS, SET-UP, OPERATORS, TENDERS	688	91000
MACHINE TOOL CUTTING OPERATORS--METAL, PLASTIC	695	91117
MACHINE TOOL CUTTING--METAL, PLASTIC	689	91100
MACHINE TOOL SETTERS, OPERATORS--METAL, PLASTIC	704	91500
MACHINERY AND RELATED MECHANICS	506	85100
MACHINERY MAINTENANCE MECHANICS	507	85110
MACHINERY MAINTENANCE MECHANICS, NEC	513	85119
MACHINERY MAINTENANCE WORKERS	516	85128
MACHINISTS	631	89108
MAIDS AND HOUSEKEEPING CLEANERS	446	67002
MAIL CLERKS-EX MAIL MACHINE OPERATORS, POSTAL SERVICE	376	57302
MAIL MACH OPERATORS--PREPARATION AND HANDLING	362	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	375	57300
MAIN LINE STATION ENGINEERS	871	97914
MAINTENANCE MECHANICS--MARINE EQUIPMENT	510	85116
MAINTENANCE MECHANICS--SEWING MACHINE	509	85113
MAINTENANCE MECHANICS--TEXTILE	508	85112
MAINTENANCE MECHANICS--WATER, POWER	512	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	517	85132
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2	10000
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	454	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKETING, ADVERTISING, PUBLIC RELATIONS MANAGERS	6	13011
MARKING CLERKS	387	58021
MASONRY AND RELATED WORKERS	579	87300
MATERIAL MOVEMENT EQUIP OPERATORS	866	97900
MATERIAL MOVING EQUIPMENT OPERATORS, NEC	886	97989
MATERIAL RECORDING, DISPATCHING	380	58000
MATERIAL RECORDING, RELATED, NEC	391	58099
MATES--SHIP, BOAT, AND BARGE	853	97505
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS, TRIMMERS--HAND	813	93938
MECHANIC AND REPAIRER HELPERS	889	98100
MECHANICAL CONTROL, VALVE INSTALLERS	559	85928

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MECHANICAL ENGINEERING TECHS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	505	85000
MECHANICS, INSTALLERS, REPAIRERS, NEC	568	85999
MECHANICS, NEC	529	85399
MEDICAL APPLIANCE MAKERS	685	89923
MEDICAL ASSISTANTS	436	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICAL, CLINICAL LABORATORY TECHNICIANS	232	32905
MEDICAL, CLINICAL LABORATORY TECHNOLOGISTS	231	32902
MEDICINE, HEALTH SERVICES MGRS	11	15008
MENDERS, GARMENTS AND LINENS	567	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	286	49000
MESSENGERS	379	57311
METAL FABRICATING MACHINE SETTERS, OPERATORS	708	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	713	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	718	91911
METAL MOLDING, MACHINE SETTER, SET-UP OPERATORS	717	91908
METAL POURERS, CASTERS--BASIC SHAPES	814	93941
METAL WORKERS, NEC--PRECISION	641	89199
METAL WORKERS, PRECISION	628	89100
METAL, PLASTIC MACHINE SETTERS, OPERATORS NEC	729	92100
METAL, PLASTIC PROCESSING MACHINE SETTERS	714	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	385	58014
MILLING MACHINE SETTERS--METAL, PLASTIC	693	91111
MILLWRIGHTS	514	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	623	87943
MINING ENGINEERS--INCLUDING MINE SAFETY	55	22108
MINING MACHINE OPERATORS	621	87940
MINING MACHINE OPERATORS, NEC	624	87949
MINING, QUARRYING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AG, FORESTRY, FISHING	477	79000
MISC HELPERS, LABORERS--HAND	907	98900
MISC HELPERS, LABORERS--HAND, NEC	910	98999
MISC METAL, PLASTIC MACHINE SETTERS, OPERATORS	728	91999
MISC SERVICE WORKERS	466	69000
MISC TRANSPORTATION WORKERS	861	97800
MISCELLANEOUS INDUSTRY SPECIFIC WORKERS	332	53900
MISCELLANEOUS MECHANICS, INSTALLERS, REPAIRERS	549	85900
MISCELLANEOUS PROFESSIONALS, PARAPROFESSIONALS, TECHNICAL	266	39000
MISCELLANEOUS SECRETARIAL, GENERAL OFFICE OCCUPATIONS	343	55300
MOBILE EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	518	85300
MOBILE HEAVY EQUIPMENT MECHANICS--EX ENGINES	523	85314
MODELS	297	49036
MOLDERS AND CASTERS--HAND	815	93944
MOLDERS, SHAPERS--EX JEWELRY	679	89905
MOTION PICTURE PROJECTIONISTS	765	92905

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTOR VEHICLE OPERATORS	835	97100
MOTOR VEHICLE OPERATORS, NEC	842	97199
MOTORBOAT OPERATORS	855	97511
MOTORCYCLE REPAIRERS	521	85308
MUNICIPAL CLERKS	326	53705
MUNICIPAL WORKERS	324	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	556	85921
MUSICIANS--INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NEW ACCOUNTS CLERKS	305	53105
NONELECTROLYTIC PLATING MACHINE OPERATORS	723	91926
NONELECTROLYTIC PLATING MACHINE SETTERS	722	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS & TECHNOLOGISTS	98	24508
NUMERICAL MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91502
NUMERICAL TOOL, PROCESS PROGRAMMERS	108	25111
NURSE AIDES, ORDERLIES, ATTENDANTS	437	66008
NURSERY, GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS & AIDES	441	66021
OCCUPATIONS NOT CLASSIFIED	911	
OFFICE MACHINE OPERATORS, NEC	367	56099
OFFICE MACHINE, CASH REGISTER SERVICERS	558	85926
OFFSET LITHOGRAPHIC PRESS SETTERS	740	92512
OIL PUMPERS--EXCEPT WELLHEAD	869	97908
OPERATING ENGINEERS	885	97956
OPERATIONS, SYSTEMS RESEARCHERS, ANALYSTS--EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	683	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	350	55323
ORDER FILLERS--WHOLESALE, RETAIL SALES	389	58026
ORDINARY SEAMEN AND MARINE OILERS	857	97517
OTHER ELECTRICAL EQUIPMENT MECHANICS	537	85700
OTHER HAND WORKERS	800	93900
OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	677	89900
OTHER PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	272	39999
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	788	92974
PAINTERS AND RELATED WORKERS	586	87400
PAINTERS, PAPERHANGERS--CONSTRUCTION & MAINTENANCE	587	87402
PAINTERS, TRANSPORTATION EQUIPMENT	779	92947
PAINTING, COATING, DECORATING--HAND	816	93947
PAINTING, COATING, SPRAYING MACHINE OPERATORS, TENDERS	781	92953

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PAINTING, COATING, SPRAYING MACHINE SETTERS	780	92951
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	768	92914
PARALEGAL PERSONNEL	141	28305
PARKING ENFORCEMENT OFFICERS	407	63021
PARKING LOT ATTENDANTS	864	97808
PARKS, RECREATION, LEISURE, FITNESS STUDIES TEACHERS, POSTSEC	181	31258
PASTE-UP WORKERS	661	89706
PATTERN AND MODEL MAKERS--METAL	633	89114
PATTERN AND MODEL MAKERS--WOOD	643	89302
PATTERN MARKERS--WOOD	644	89305
PATTERNMAKERS AND LAYOUT WORKERS	650	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	680	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	600	87708
PAYROLL AND TIMEKEEPING CLERKS	356	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	364	56014
PERSONAL SERVICE OCCUPATIONS	451	68000
PERSONAL, HOME CARE AIDES	463	68035
PERSONNEL CLERKS--EX PAYROLL AND TIMEKEEPING	347	55314
PERSONNEL, TRAINING, LABOR RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR RELATIONS SPECIALISTS, NEC	41	21511
PERSONNEL, TRAINING, LABOR RELATIONS SPECIALISTS	37	21500
PEST CONTROLLERS AND ASSISTANTS	448	67008
PETRO REFINERY, CONTROL PANEL OPERATORS	826	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	825	95011
PETROLEUM TECHNICIANS & TECHNOLOGISTS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	443	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	664	89712
PHOTOENGRAVING, LITHOGRAPHIC MACHINE OPERATORS	749	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESS WORKER, PRECISION	682	89914
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS, TENDERS	766	92908
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	440	66017
PHYSICAL, LIFE SCIENCE TECHS	95	24500
PHYSICAL, LIFE SCIENCE TECHS, NEC	100	24599
PHYSICIAN ASSISTANTS	224	32511
PHYSICIANS AND SURGEONS	205	32102
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	599	87705
PILOTS--SHIP	854	97508
PIPELAYERS	591	87508
PIPELAYING FITTERS	590	87505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLANT AND SYSTEM OCCUPATIONS	821	95000
PLANT AND SYSTEM OPERATORS, NEC	833	95099
PLASTERERS AND STUCCO MASONS	585	87317
PLASTIC MOLDING, CASTING MACHINE OPERATORS	716	91905
PLASTIC MOLDING, CASTING MACHINE SETTER	715	91902
PLATEMAKERS	668	89718
PLUMBERS AND RELATED WORKERS	588	87500
PLUMBERS, PIPEFITTERS, STEAMFITTERS	589	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	397	61005
POLICE DETECTIVES	404	63011
POLICE PATROL OFFICERS	405	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	810	93928
POSTAL MAIL CARRIERS	377	57305
POSTAL SERVICE CLERKS	378	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	831	95028
POWER PLANT OPS--EX AUXILIARY EQUIPMENT	828	95021
POWER REACTOR OPERATORS	830	95026
POWERHOUSE, RELAY ELECTRICIANS	544	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	698	91305
PRESSERS--DELICATE FABRICS	655	89517
PRESSERS--HAND	807	93921
PRESSING MACHINE OPERATORS, TENDERS--TEXTILE, GARMENT RELATED	762	92728
PRINTING PRESS MACHINE OPERATORS, TENDER	748	92543
PRINTING PRESS SETTERS, SET UP OPERATORS	739	92510
PRINTING PRESS SETTERS, SET-UP OPERATORS NEC	742	92519
PRINTING RELATED SETTERS, SET-UP OPERATORS, NEC	746	92529
PRINTING WORKERS, NEC--PRECISION	671	89799
PRINTING WORKERS, PRECISION	658	89700
PRINTING, BINDING, RELATED MACHINE OPERATORS, TENDERS	751	92549
PRINTING, BINDING, RELATED WORKERS	738	92500
PROCUREMENT CLERKS	351	55326
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	627	89000
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, MATERIAL HANDLING	492	80000
PRODUCTION, PLANNING, EXPEDITING CLERKS	383	58008
PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	336	53911
PROPERTY, REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	400	63000
PROTECTIVE SERVICE WORKERS, NEC	417	63099
PRUNERS	485	79033
PSYCHIATRIC AIDES	439	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PUBLIC ADMINISTRATION CHIEF EXECS, LEGISLATORS, GENERAL ADMIN	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	884	97953
PUNCHING MACHINE SETTERS--METAL, PLASTIC	697	91302
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING AGENTS AND BUYERS--FARM PRODS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODUCTS	36	21308
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	535	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	524	85317
RAIL TRANSPORTATION WORKERS	843	97300
RAIL VEHICLE OPERATIVES, NEC	850	97399
RAIL YARD ENGINEERS AND RELATED	846	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	849	97317
RAILROAD CONDUCTORS, YARDMASTERS	844	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	413	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPERATORS	602	87714
REAL ESTATE CLERKS	337	53914
RECEPTIONISTS, INFORMATION CLERKS	345	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	515	85126
REFUSE & RECYCLABLE MATERIAL COLLECTORS	905	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	584	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANSPORTATION TICKET AGENTS	330	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY THERAPISTS	213	32302
RIGGERS	561	85935
ROASTING, BAKING, DRYING MACHINE OPERATORS--FOOD, TABACCO	770	92921
ROCK SPLITTERS, QUARRY	615	87908
ROLLING MACHINE SETTERS--METAL, PLASTIC	701	91314
ROOF BOLTERS	620	87923
ROOFERS	607	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACTION	616	87911
ROUSTABOUTS	619	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	277	43002
SALES AGENTS--ADVERTISING	284	43023
SALES AGENTS--FINANCIAL SERVICES	281	43014
SALES AGENTS--REAL ESTATE	279	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	282	43017
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	298	49999

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SALES ENGINEERS	287	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC--EX RETAIL	289	49008
SALES REPRESENTATIVES, SALESPERSONS, SERVICES--NEC	285	43099
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	288	49005
SALES WORKERS--SERVICE	276	43000
SALESPERSONS, RETAIL	290	49011
SALESPERSONS--PARTS	291	49014
SAWING MACHINE OPERATORS AND TENDERS	735	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	733	92302
SAWING MACHINE TOOL SETTERS--METAL, PLAST	690	91102
SCANNER OPERATORS	666	89715
SCREEN PRINTING MACHINE SETTERS, SET-UP	744	92524
SECRETARIAL, GENERAL OFFICE	338	55000
SECRETARIES	339	55100
SECRETARIES, EX LEGAL AND MEDICAL	342	55108
SECRETARIES, LEGAL	340	55102
SECRETARIES, MEDICAL	341	55105
SELECTED ROAD, RAIL AND RELATED	597	87700
SEPARATING, STILL MACHINE OPERATORS, TENDERS	784	92962
SEPTIC TANK, SEWER PIPE CLEANERS	592	87511
SERVICE OCCUPATIONS	394	60000
SERVICE STATION ATTENDANTS	863	97805
SERVICE UNIT OPERATORS	618	87917
SERVICE WORKERS, NEC	467	69999
SEWERS--HAND	808	93923
SEWING MACHINE OPERATORS--GARMENT	758	92717
SEWING MACHINE OPERATORS--NON-GARMENT	759	92721
SHAMPOOERS	455	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	699	91308
SHEET METAL DUCT INSTALLERS	606	87805
SHEET METAL WORKERS	639	89132
SHERIFFS AND DEPUTY SHERIFFS	411	63032
SHIP ENGINEERS	858	97521
SHIPFITTERS	635	89121
SHIPPING, RECEIVING, TRAFFIC CLERKS	390	58028
SHOE AND LEATHER WORKERS--PRECISION	653	89511
SHOE SEWING MACHINE OPERATORS, TENDERS	760	92723
SHUTTLE CAR OPERATORS	878	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	534	85511
SLAUGHTERERS AND BUTCHERS	673	89802
SMALL ENGINE SPECIALISTS	528	85328
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENTISTS, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENTISTS--INCLUDING URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	806	93917

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SOLDERING, BRAZING MACHINE OPERATORS, TENDERS	712	91711
SOLDERING, BRAZING MACHINE SETTERS	711	91708
SPECIAL AGENTS--INSURANCE	39	21505
SPECIALTY MATERIALS PRINTING MACHINE SETTERS	743	92522
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
SPOTTERS--DRY CLEANING	654	89514
SPRAYERS, APPLICATORS	486	79036
STATEMENT CLERKS	312	53126
STATION INSTALLERS--TELEPHONE	546	85726
STATIONARY ENGINEERS	832	95032
STATISTICAL CLERKS	352	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTERS	344	55302
STEVEDORES--EX EQUIPMENT OPERATORS	904	98702
STOCK CLERKS--SALES FLOOR	293	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	388	58023
STONEMASONS	581	87305
STRIPPERS	667	89717
STRUCTURAL METAL WORKERS	609	87814
SUBWAY AND STREETCAR OPERATORS	848	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING, MAPPING TECHS	80	22521
SURVEYORS, MAPPING SCIENTISTS	72	22311
SWITCHBOARD OPERATORS	370	57102
SYSTEMS ANALYSTS--ELECTRONIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	868	97905
TAPERS	574	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	840	97114
TEACHER AIDES, EDUCATIONAL ASSISTANTS, CLERICAL	334	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--KINDERGARTEN	186	31304
TEACHERS--PRESCHOOL	185	31303
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL EDUCATION AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS & EDITORS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	373	57111
TELEGRAPH, TELETYPE INSTALLERS	533	85508
TELEMARKETERS, SOLICITORS & RELATED	295	49026
TELEPHONE, CABLE TELEVISION LINE INSTALLERS	538	85702
TELLERS	304	53102
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	757	92714
TEXTILE DRAW-OUT MACHINE OPERATORS, TENDERS	756	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	753	92702

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
TEXTILE OPERATORS,TENDERS--WINDING,TWISTING,KNITTING, WEAVING, CUTTING	754	92705
TEXTILE, APPAREL, FURNISHINGS, NEC--PREC	657	89599
TEXTILE, APPAREL, FURNISHINGS,PREC	649	89500
TEXTILE, RELATED SETTERS, OPERATORS	752	92700
THERAPISTS	212	32300
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	471	73000
TIMBER CUTTING AND RELATED, NEC	476	73099
TIRE BUILDING MACHINE OPERATORS	767	92911
TIRE REPAIRERS AND CHANGERS	566	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	629	89102
TOOL GRINDERS, FILERS, SHARPENERS	632	89111
TRAFFIC TECHNICIANS	268	39005
TRANSIT CLERKS	306	53108
TRANSPORTATION AGENTS	384	58011
TRANSPORTATION AND RELATED WORKERS, NEC	865	97899
TRANSPORTATION ATTENDANTS--EX FLIGHT ATTENDANTS	461	68028
TRANSPORTATION INSPECTORS	503	83008
TRANSPORTATION, MATERIAL MOVING EQUIPMENT OPERATORS, NEC	887	97999
TRANSPORTATION, MATERIAL MOVING MACHINE OPERATORS	834	97000
TRAVEL AGENTS	283	43021
TRAVEL CLERKS	329	53802
TRUCK DRIVERS, HEAVY	836	97102
TRUCK DRIVERS, LIGHT	837	97105
TYPESETTING, COMPOSING MACHINE OPERATORS	747	92541
TYPISTS, INCLUDING WORD PROCESSING	346	55307
UNDERGROUND MINE MACHINERY MECHANICS	511	85117
UNITED STATES MARSHALS	409	63026
UPHOLSTERERS	652	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	458	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	909	98905
VETERINARIANS AND VETERINARY INSPECTORS	210	32114
VETERINARY ASSISTANTS	488	79806
VETERINARY TECHNICIANS & TECHNOLOGISTS	243	32951
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	421	65008
WARDROBE, LOCKER, DRESSING ROOM ATTENDANTS	462	68032
WATCH ASSEMBLERS, RELATED--PRECISION	798	93117
WATCHMAKERS	555	85917
WATER TRANSPORTATION WORKERS	851	97500
WATER TREATMENT PLANT OPERATORS	822	95002
WEIGHERS, MEASURERS--RECORDKEEPING	386	58017
WELDERS AND CUTTERS	805	93914
WELDING MACHINE OPERATORS AND TENDERS	710	91705
WELDING MACHINE SETTERS, SET-UP OPERATORS	709	91702
WELFARE ELIGIBLE WORKERS, INTERVIEWERS	321	53502
WELLHEAD PUMPERS	870	97911

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WHOLESALE, RETAIL BUYERS--EX FARM PRODUCTS	34	21302
WOOD MACHINISTS	645	89308
WOODWORKERS, NEC--PRECISION	648	89399
WOODWORKERS, PRECISION	642	89300
WOODWORKING MACHINE OPERATORS,TENDERS--EX SAWING	737	92314
WOODWORKING MACHINE SETTERS, OPERATORS	732	92300
WOODWORKING MACHINE SETTERS--EX SAWING	736	92311
WORKERS, PRECISION--NEC	687	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTERTAINERS, ATHLETES	245	34000

Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. *The Standard Industrial Classification Manual* is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers to aid in providing services. Trade associations and private industry use the manual in reference books, such as the *California Manufacturers Register*.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category

called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at

<http://www.osha.gov/oshstats/sicser.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore
Marathon Plaza, Room 141-S
303 2nd Street
San Francisco, CA 94107
Phone – (415) 512-2770
Fax – (415) 512-2776
<http://access.gpo.gov>

North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada and Mexico, including the emergence and growth of the service sector

and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all new industry classification system that is more:

Relevant. NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

Consistent. NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

Comparable. NAICS provides first-ever comparability in North American industry classifications and economic statistics.

Flexible. NAICS classifications will be updated

regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

How will NAICS affect the economic data you use?

- Every sector of the economy has been restructured and redefined:
- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, to recognize our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

All new numbering system

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both

NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

<http://www.census.gov/naics>

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

Phone: 1-888-75NAICS

E-mail: naics@census.gov

Projections Methods and Economic Assumptions

The employment projection process consists of two phases: first, projections for employment by industry are made using both historical data and current information about the economy; and second, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

Principal Data Sources

Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State cooperative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code

and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment estimates made in the CES program. This is also a Federal/State cooperative program.

Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of nonfarm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

The Process

Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series. Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.

- Industry projections are then developed for the state using input from the national forecast and the historical industry employment series for the state.
- Next, county industry projections are developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The state forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either statewide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected

changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections to produce occupational employment projections within three-digit SICs.

Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

Economic Assumptions

The industry and occupational projections in this report are based on the following assumptions:

- The institutional framework of the U.S. economy will not change radically.
- Recent technological and scientific trends will continue.
- The long-term employment patterns will continue in most industries.

- Federal, state, and local government agencies will continue to operate under budgetary constraints.
- No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- Attitudes toward work, education, income, and leisure will not change significantly.

Projections & Planning Information

Module E:

Wages

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Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at www.bls.gov.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

Interval	Hourly Wage	Annual Wage
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

Metropolitan Area The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

Sacramento PMSA

El Dorado, Placer, & Sacramento Counties

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$18.24	\$27.11	\$19.69	\$24.04	\$31.43
27-2011	Actors	(2)	(2)	(2)	(2)	(2)
15-2011	Actuaries	\$20.69	\$33.03	\$23.62	\$32.14	\$44.11
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$29.31	\$43.11	\$42.11	\$48.36	\$52.76
11-3011	Administrative Services Managers	\$16.47	\$29.98	\$19.92	\$27.44	\$38.76
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$12.76	\$21.49	\$14.82	\$19.21	\$27.90
11-2011	Advertising and Promotions Managers	\$17.03	\$33.91	\$20.97	\$30.04	\$44.18
41-3011	Advertising Sales Agents	\$13.30	\$26.11	\$15.58	\$22.10	\$32.54
19-4011	Agricultural and Food Science Technicians	\$9.67	\$13.55	\$10.09	\$12.14	\$15.49
19-1010	Agricultural and Food Scientists	\$21.32	\$28.57	\$24.64	\$29.68	\$33.25
45-2091	Agricultural Equipment Operators	\$7.89	\$9.25	\$8.08	\$9.19	\$10.64
45-2011	Agricultural Inspectors	\$19.13	\$24.03	\$20.60	\$24.00	\$27.28
53-1011	Aircraft Cargo Handling Supervisors	\$12.66	\$18.59	\$13.21	\$15.49	\$19.75
49-3011	Aircraft Mechanics and Service Technicians	\$14.68	\$19.47	\$17.54	\$20.29	\$22.42
53-2011	Airline Pilots, Copilots, and Flight Engineers	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-1099	All Other Art and Design Workers	\$11.54	\$17.94	\$13.44	\$18.99	\$22.25
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$7.28	\$11.11	\$7.84	\$10.19	\$13.47
47-4999	All Other Construction Trades and Related Workers	\$12.07	\$17.79	\$14.28	\$17.47	\$21.30
21-9099	All Other Counselors, Social and Religious Workers	\$12.86	\$19.14	\$14.70	\$18.54	\$22.50
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$11.52	\$18.00	\$13.95	\$17.10	\$22.37
43-4999	All Other Financial, Information, and Record Clerks	\$8.95	\$14.65	\$9.74	\$12.97	\$17.35
51-3099	All Other Food Processing Workers	\$6.75*	\$8.04	\$6.75*	\$6.88	\$9.59
29-9199	All Other Health Professionals and Technicians	\$8.54	\$15.50	\$9.76	\$14.49	\$19.65
23-9099	All Other Legal and Related Workers	\$19.00	\$35.67	\$22.00	\$32.91	\$51.31
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$8.87	\$14.39	\$10.20	\$13.81	\$17.94
51-5099	All Other Printing Workers	\$6.75*	\$10.57	\$6.75*	\$10.32	\$12.61
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$8.77	\$14.11	\$9.34	\$12.25	\$18.58
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
39-3091	Amusement and Recreation Attendants	\$6.75*	\$8.14	\$6.75*	\$7.34	\$8.55
33-9011	Animal Control Workers	\$9.79	\$13.81	\$11.12	\$13.34	\$16.27
39-2011	Animal Trainers	\$7.72	\$8.96	\$8.25	\$9.14	\$10.02
27-3010	Announcers	\$8.21	\$18.12	\$9.35	\$14.06	\$22.73
19-3091	Anthropologists and Archeologists	\$22.51	\$28.47	\$24.54	\$28.98	\$32.68
13-2021	Appraisers and Assessors of Real Estate	\$20.98	\$28.23	\$23.06	\$28.66	\$33.25
23-1022	Arbitrators, Mediators, and Conciliators	\$20.79	\$33.82	\$22.66	\$34.90	\$44.66

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-1011	Architects, Except Landscape and Naval	\$22.78	\$31.28	\$26.37	\$31.28	\$36.13
17-3011	Architectural and Civil Drafters	\$15.53	\$22.05	\$17.18	\$21.39	\$25.67
17-0000	Architecture and Engineering Occupations	\$19.32	\$29.65	\$23.05	\$29.56	\$36.05
25-4010	Archivists, Curators, and Museum Technicians	\$17.75	\$24.81	\$19.29	\$23.42	\$28.62
27-1011	Art Directors	\$19.77	\$23.85	\$19.48	\$21.25	\$24.62
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$10.73	\$21.51	\$12.74	\$19.17	\$26.86
51-2099	Assemblers and Fabricators, All Other	\$7.62	\$10.64	\$7.86	\$9.10	\$12.74
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
19-2021	Atmospheric and Space Scientists	\$25.69	\$30.48	\$28.73	\$31.22	\$33.72
27-4011	Audio and Video Equipment Technicians	\$12.20	\$17.90	\$16.80	\$18.94	\$20.73
29-1121	Audiologists	\$22.58	\$24.87	\$23.67	\$25.55	\$27.42
25-9011	Audio-Visual Collections Specialists	\$15.84	\$19.48	\$15.88	\$17.33	\$22.40
49-3021	Automotive Body and Related Repairers	\$11.39	\$20.50	\$14.35	\$19.82	\$26.60
49-3022	Automotive Glass Installers and Repairers	\$13.56	\$14.95	\$14.04	\$15.19	\$16.34
49-3023	Automotive Service Technicians and Mechanics	\$10.04	\$17.61	\$10.95	\$17.47	\$21.90
39-6011	Baggage Porters and Bellhops	\$6.75*	\$7.75	\$6.75*	\$7.51	\$9.01
33-3011	Bailiffs	\$9.97	\$16.35	\$11.44	\$16.48	\$20.57
51-3011	Bakers	\$9.32	\$13.26	\$10.32	\$12.69	\$15.90
39-5011	Barbers	\$7.31	\$9.39	\$7.70	\$8.84	\$10.87
35-3011	Bartenders	\$6.75*	\$8.44	\$6.75*	\$7.37	\$9.12
43-3011	Bill and Account Collectors	\$9.53	\$13.83	\$10.63	\$13.32	\$16.53

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-3021	Billing and Posting Clerks and Machine Operators	\$10.43	\$13.95	\$11.17	\$12.78	\$15.56
51-5011	Bindery Workers	\$7.44	\$10.98	\$8.01	\$9.80	\$12.14
19-1021	Biochemists and Biophysicists	\$26.31	\$29.65	\$28.60	\$30.81	\$33.05
19-4021	Biological Technicians	\$11.80	\$14.53	\$12.66	\$14.30	\$16.32
51-5012	Bookbinders	\$15.86	\$19.88	\$18.18	\$20.36	\$23.17
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$10.29	\$14.95	\$11.96	\$14.93	\$17.85
47-2021	Brickmasons and Blockmasons	\$15.62	\$19.73	\$15.78	\$17.72	\$24.64
27-4012	Broadcast Technicians	\$8.91	\$16.65	\$10.26	\$13.07	\$19.70
43-4011	Brokerage Clerks	\$12.73	\$17.17	\$13.44	\$15.97	\$19.63
13-2031	Budget Analysts	\$20.20	\$26.90	\$22.29	\$26.73	\$31.78
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$7.33	\$11.08	\$7.89	\$9.99	\$13.30
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$14.84	\$20.98	\$16.67	\$20.79	\$25.27
53-3022	Bus Drivers, School	\$8.30	\$11.38	\$8.95	\$11.51	\$13.45
53-3021	Bus Drivers, Transit and Intercity	\$13.51	\$17.54	\$17.46	\$18.97	\$20.52
13-0000	Business and Financial Operations Occupations	\$14.45	\$24.27	\$17.65	\$23.34	\$30.64
13-1199	Business Operations Specialists, All Other	\$13.05	\$23.32	\$17.25	\$23.57	\$30.40
25-1011	Business Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
51-3021	Butchers and Meat Cutters	\$13.40	\$18.26	\$15.07	\$19.51	\$21.36
51-7011	Cabinetmakers and Bench Carpenters	\$7.43	\$10.35	\$7.84	\$9.19	\$12.29
27-4031	Camera Operators, Television, Video, and Motion Picture	\$9.87	\$20.90	\$15.13	\$22.60	\$27.52
29-2031	Cardiovascular Technologists and Technicians	\$13.75	\$19.46	\$15.26	\$19.56	\$23.32

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5011	Cargo and Freight Agents	\$9.16	\$13.68	\$10.20	\$13.64	\$16.74
47-2031	Carpenters	\$13.15	\$20.57	\$15.51	\$19.99	\$25.95
47-2041	Carpet Installers	\$7.10	\$14.92	\$7.64	\$13.89	\$18.47
17-1021	Cartographers and Photogrammetrists	\$16.75	\$26.26	\$19.63	\$29.25	\$32.66
41-2011	Cashiers	\$6.75*	\$9.98	\$7.10	\$8.25	\$11.10
47-2051	Cement Masons and Concrete Finishers	\$15.03	\$22.27	\$16.84	\$21.68	\$28.20
35-1011	Chefs and Head Cooks	\$11.84	\$19.46	\$13.15	\$18.66	\$23.12
51-9011	Chemical Equipment Operators and Tenders	\$12.68	\$18.56	\$13.45	\$18.85	\$23.35
19-4031	Chemical Technicians	\$12.92	\$17.94	\$14.14	\$16.88	\$20.90
19-2031	Chemists	\$17.04	\$25.73	\$20.54	\$26.22	\$31.62
11-1011	Chief Executives	\$35.35	(3)	\$41.54	\$58.57	>\$70.00
39-9011	Child Care Workers	\$7.01	\$8.49	\$7.28	\$8.20	\$9.22
21-1021	Child, Family, and School Social Workers	\$12.61	\$16.92	\$13.65	\$16.30	\$19.72
29-1011	Chiropractors	\$15.63	\$34.08	\$16.29	\$37.64	\$44.62
27-2032	Choreographers	\$8.19	\$16.79	\$8.73	\$16.39	\$23.13
17-3022	Civil Engineering Technicians	\$11.24	\$21.13	\$11.21	\$21.99	\$27.13
17-2051	Civil Engineers	\$24.47	\$32.02	\$26.88	\$31.68	\$37.38
13-1031	Claims Adjusters, Examiners, and Investigators	\$17.66	\$26.55	\$20.43	\$26.49	\$32.76
53-7061	Cleaners of Vehicles and Equipment	\$6.75*	\$8.48	\$6.92	\$7.83	\$9.31
21-2011	Clergy	\$10.39	\$16.93	\$11.46	\$15.16	\$21.12

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-3031	Clinical, Counseling, and School Psychologists	\$18.27	\$28.21	\$21.73	\$30.19	\$34.83
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$8.35	\$12.77	\$8.92	\$12.34	\$15.05
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$9.39	\$12.97	\$10.42	\$12.74	\$15.17
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.96	\$6.98	\$7.79	\$8.59
27-1021	Commercial and Industrial Designers	\$17.97	\$27.07	\$19.86	\$24.56	\$29.30
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$15.05	\$18.55	\$16.16	\$18.33	\$20.37
21-0000	Community and Social Services Occupations	\$10.60	\$18.29	\$12.27	\$15.90	\$23.32
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$17.56	\$24.24	\$19.51	\$23.38	\$29.32
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$14.55	\$22.85	\$15.31	\$17.80	\$30.45
11-3021	Computer and Information Systems Managers	\$32.35	\$46.35	\$37.12	\$43.65	\$56.44
15-0000	Computer and Mathematical Occupations	\$20.26	\$31.34	\$23.65	\$30.37	\$37.93
43-9011	Computer Operators	\$12.48	\$17.55	\$14.24	\$17.67	\$20.85
15-1021	Computer Programmers	\$21.37	\$31.93	\$24.49	\$30.92	\$39.30
15-1031	Computer Software Engineers, Applications	\$27.34	\$37.28	\$30.02	\$35.67	\$43.38
15-1032	Computer Software Engineers, Systems Software	\$29.19	\$40.87	\$32.76	\$41.36	\$49.71
15-1099	Computer Specialists, All Other	\$17.27	\$25.72	\$20.54	\$26.05	\$30.96
15-1041	Computer Support Specialists	\$13.61	\$20.68	\$15.14	\$19.49	\$24.65

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15-1051	Computer Systems Analysts	\$21.33	\$29.58	\$24.35	\$29.86	\$33.86
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$12.16	\$18.17	\$14.24	\$17.18	\$21.92
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$11.29	\$16.57	\$12.91	\$16.27	\$20.16
39-6012	Concierges	\$9.01	\$11.11	\$9.58	\$11.31	\$12.90
19-1031	Conservation Scientists	\$22.59	\$28.80	\$25.74	\$30.05	\$32.97
47-4011	Construction and Building Inspectors	\$15.98	\$23.74	\$19.51	\$24.58	\$28.33
47-0000	Construction and Extraction Occupations	\$10.91	\$18.81	\$12.83	\$17.93	\$23.96
47-2061	Construction Laborers	\$9.59	\$15.05	\$10.65	\$13.35	\$18.71
11-9021	Construction Managers	\$23.90	\$35.91	\$27.66	\$34.17	\$42.75
53-7011	Conveyor Operators and Tenders	\$8.80	\$12.60	\$9.00	\$12.47	\$14.92
35-2011	Cooks, Fast Food	\$6.75*	\$7.57	\$6.75*	\$7.41	\$8.43
35-2012	Cooks, Institution and Cafeteria	\$7.96	\$10.48	\$8.60	\$10.33	\$12.08
35-2014	Cooks, Restaurant	\$8.27	\$10.28	\$8.85	\$10.01	\$11.30
35-2015	Cooks, Short Order	\$7.67	\$8.73	\$7.54	\$8.22	\$9.57
51-9193	Cooling and Freezing Equipment Operators and Tenders	\$8.19	\$10.32	\$8.50	\$9.69	\$10.99
33-3012	Correctional Officers and Jailers	\$13.89	\$21.16	\$15.56	\$22.61	\$25.94
43-4021	Correspondence Clerks	\$9.40	\$13.53	\$10.23	\$13.22	\$16.18
13-1051	Cost Estimators	\$16.88	\$25.80	\$19.33	\$24.49	\$29.89
41-2021	Counter and Rental Clerks	\$7.10	\$10.60	\$7.40	\$8.48	\$10.66
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.75*	\$8.12	\$6.75*	\$7.30	\$9.13

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5021	Couriers and Messengers	\$8.11	\$10.61	\$8.70	\$10.12	\$11.81
23-2091	Court Reporters	\$20.56	\$26.00	\$22.70	\$26.40	\$30.89
53-7021	Crane and Tower Operators	\$14.80	\$25.24	\$16.46	\$24.38	\$30.02
13-2041	Credit Analysts	\$11.79	\$21.09	\$13.03	\$17.38	\$28.14
43-4041	Credit Authorizers, Checkers, and Clerks	\$10.50	\$15.08	\$11.64	\$13.97	\$17.41
33-9091	Crossing Guards	\$7.12	\$9.75	\$7.33	\$8.96	\$11.54
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$13.01	\$15.63	\$14.77	\$16.07	\$17.37
43-4051	Customer Service Representatives	\$10.31	\$14.79	\$11.50	\$14.01	\$17.82
51-9031	Cutters and Trimmers, Hand	\$7.73	\$10.12	\$7.89	\$8.94	\$12.08
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$10.19	\$13.22	\$11.25	\$12.64	\$14.47
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.09	\$11.55	\$9.78	\$11.27	\$13.41
27-2031	Dancers	\$10.34	\$15.50	\$11.28	\$15.26	\$16.83
43-9021	Data Entry Keyers	\$9.02	\$12.16	\$10.03	\$12.11	\$14.39
15-1061	Database Administrators	\$16.19	\$27.61	\$18.82	\$24.38	\$34.40
41-9011	Demonstrators and Product Promoters	\$8.01	\$12.03	\$8.77	\$10.29	\$13.38
31-9091	Dental Assistants	\$12.29	\$15.14	\$13.11	\$15.19	\$17.11
51-9081	Dental Laboratory Technicians	\$9.89	\$14.79	\$10.68	\$13.45	\$16.69
29-1020	Dentists	\$48.10	(3)	\$49.67	\$54.34	>\$70.00
43-9031	Desktop Publishers	\$10.89	\$15.62	\$12.19	\$15.67	\$18.74

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-3021	Detectives and Criminal Investigators	\$19.01	\$25.91	\$20.58	\$25.38	\$30.94
29-2032	Diagnostic Medical Sonographers	\$23.16	\$26.70	\$23.81	\$26.43	\$29.83
29-2051	Dietetic Technicians	\$11.91	\$16.58	\$13.10	\$15.89	\$19.96
29-1031	Dietitians and Nutritionists	\$19.57	\$24.61	\$22.17	\$25.03	\$28.21
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$7.74	\$6.75*	\$6.92	\$8.13
21-2021	Directors, Religious Activities and Education	\$9.23	\$12.03	\$9.33	\$10.21	\$12.65
35-9021	Dishwashers	\$6.75*	\$7.31	\$6.75*	\$7.26	\$8.13
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$9.70	\$14.87	\$10.38	\$13.66	\$17.79
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$7.90	\$20.57	\$8.74	\$15.44	\$31.87
53-3031	Driver/Sales Workers	\$6.75*	\$11.75	\$7.20	\$8.96	\$15.02
47-2081	Drywall and Ceiling Tile Installers	\$10.15	\$16.48	\$11.89	\$16.76	\$20.66
47-5021	Earth Drillers, Except Oil and Gas	\$11.69	\$17.73	\$13.94	\$17.28	\$21.57
19-3011	Economists	\$24.57	\$30.50	\$27.67	\$30.44	\$33.37
27-3041	Editors	\$14.20	\$22.70	\$16.22	\$21.41	\$29.53
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9033	Education Administrators, Postsecondary	\$26.52	\$40.00	\$30.73	\$40.61	\$48.00
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$9.12	\$19.27	\$10.58	\$17.12	\$24.88
25-0000	Education, Training, and Library Occupations	\$10.76	\$20.75	\$12.84	\$19.97	\$27.52
25-9199	Education, Training, and Library Workers, All Other	\$9.82	\$16.45	\$10.82	\$13.61	\$20.53
21-1012	Educational, Vocational, and School Counselors	\$8.35	\$19.13	\$9.17	\$14.63	\$28.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-2092	Electric Motor, Power Tool, and Related Repairers	\$9.65	\$15.72	\$10.46	\$13.98	\$20.20
17-3023	Electrical and Electronic Engineering Technicians	\$13.86	\$20.16	\$15.94	\$19.64	\$23.95
51-2022	Electrical and Electronic Equipment Assemblers	\$8.06	\$11.30	\$8.72	\$10.57	\$13.22
17-3012	Electrical and Electronics Drafters	\$16.49	\$21.53	\$18.03	\$21.10	\$24.91
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$10.26	\$16.12	\$12.39	\$15.48	\$19.71
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$9.77	\$16.64	\$10.98	\$15.25	\$21.20
17-2071	Electrical Engineers	\$25.32	\$37.08	\$28.02	\$35.65	\$42.41
49-9051	Electrical Power-Line Installers and Repairers	\$23.98	\$28.92	\$27.27	\$30.13	\$33.15
47-2111	Electricians	\$13.18	\$21.85	\$16.44	\$22.48	\$27.55
51-2023	Electromechanical Equipment Assemblers	\$8.74	\$12.43	\$9.26	\$12.02	\$15.48
17-3024	Electro-Mechanical Technicians	\$11.13	\$18.44	\$12.75	\$17.51	\$22.74
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$10.07	\$11.90	\$10.31	\$11.68	\$13.26
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$11.99	\$14.97	\$14.10	\$15.61	\$16.92
17-2072	Electronics Engineers, Except Computer	\$23.37	\$31.91	\$26.25	\$31.18	\$36.28
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
43-4061	Eligibility Interviewers, Government Programs	\$12.67	\$14.67	\$13.07	\$14.47	\$16.31
13-1061	Emergency Management Specialists	\$20.84	\$29.08	\$23.17	\$29.46	\$33.68
29-2041	Emergency Medical Technicians and Paramedics	\$11.27	\$15.77	\$12.46	\$15.07	\$19.52
13-1071	Employment, Recruitment, and Placement Specialists	\$14.72	\$20.31	\$16.39	\$19.33	\$21.91
11-9041	Engineering Managers	\$33.32	\$45.64	\$37.52	\$45.05	\$55.01

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17-2199	Engineers, All Other	\$25.12	\$32.89	\$27.67	\$32.44	\$38.47
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$13.24	\$17.18	\$14.39	\$16.18	\$19.08
17-2081	Environmental Engineers	\$21.92	\$29.04	\$24.66	\$29.64	\$33.22
19-4091	Environmental Science and Protection Technicians, Including Health	\$12.15	\$16.39	\$13.19	\$15.74	\$18.39
19-2041	Environmental Scientists and Specialists, Including Health	\$21.60	\$28.48	\$23.96	\$29.28	\$32.88
53-7032	Excavating and Loading Machine and Dragline Operators	\$16.62	\$18.80	\$17.47	\$18.71	\$20.70
43-6011	Executive Secretaries and Administrative Assistants	\$11.92	\$18.46	\$13.60	\$17.14	\$21.13
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$6.88	\$11.20	\$7.08	\$10.84	\$14.98
45-4021	Fallers	\$11.44	\$25.22	\$13.78	\$18.69	\$40.22
29-1062	Family and General Practitioners	\$33.16	\$46.54	\$38.15	\$50.68	\$55.60
49-3041	Farm Equipment Mechanics	\$11.16	\$14.11	\$11.87	\$13.28	\$16.63
45-0000	Farming, Fishing, and Forestry Occupations	\$6.77	\$11.12	\$7.34	\$9.64	\$11.46
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$8.81	\$10.89	\$9.16	\$10.02	\$10.86
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.75*	\$8.30	\$6.75*	\$7.25	\$8.84
45-2093	Farmworkers, Farm and Ranch Animals	\$6.75*	\$8.52	\$6.75*	\$7.41	\$9.33
47-4031	Fence Erectors	\$10.78	\$16.18	\$11.53	\$15.68	\$19.99
51-2091	Fiberglass Laminators and Fabricators	\$10.36	\$16.35	\$11.26	\$13.57	\$19.81
43-4071	File Clerks	\$7.81	\$10.80	\$8.42	\$10.18	\$12.74

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-4032	Film and Video Editors	\$10.27	\$19.12	\$11.59	\$16.50	\$25.43
13-2051	Financial Analysts	\$20.76	\$29.65	\$22.76	\$28.51	\$35.92
13-2061	Financial Examiners	\$19.05	\$27.97	\$20.83	\$26.84	\$34.03
11-3031	Financial Managers	\$22.50	\$35.14	\$26.85	\$33.64	\$42.33
13-2099	Financial Specialists, All Other	\$17.96	\$24.28	\$19.11	\$22.71	\$29.87
33-2011	Fire Fighters	\$14.30	\$19.78	\$15.80	\$20.00	\$22.60
33-2021	Fire Inspectors and Investigators	\$20.80	\$25.61	\$22.52	\$25.61	\$28.71
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$21.93	\$28.39	\$23.64	\$27.89	\$33.08
33-1011	First-Line Supervisors/Managers of Correctional Officers	\$28.96	\$32.26	\$29.69	\$32.37	\$35.05
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$22.28	\$29.01	\$25.12	\$29.79	\$33.60
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$25.17	\$30.71	\$26.79	\$30.33	\$34.10
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$8.68	\$12.80	\$9.71	\$12.16	\$15.54
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$15.09	\$20.73	\$16.98	\$20.39	\$23.59
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$9.83	\$15.60	\$10.92	\$14.83	\$18.36
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$12.43	\$18.61	\$13.25	\$16.81	\$23.46
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$18.57	\$27.66	\$21.05	\$26.39	\$33.25
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$15.39	\$25.66	\$18.15	\$22.91	\$30.89
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$14.79	\$23.59	\$17.15	\$22.62	\$30.59

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39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$10.57	\$15.91	\$11.38	\$14.52	\$19.64
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$14.28	\$22.03	\$16.58	\$21.18	\$26.96
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.33	\$17.71	\$11.40	\$14.91	\$20.56
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$15.58	\$25.09	\$17.83	\$23.68	\$31.78
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$9.63	\$19.72	\$10.47	\$17.69	\$27.99
33-3031	Fish and Game Wardens	\$21.58	\$26.12	\$22.53	\$25.62	\$30.52
39-9031	Fitness Trainers and Aerobics Instructors	\$8.01	\$16.42	\$9.47	\$16.12	\$22.25
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$13.00	\$20.81	\$14.92	\$23.33	\$26.35
27-1023	Floral Designers	\$8.96	\$11.07	\$9.40	\$10.89	\$12.86
51-3092	Food Batchmakers	\$7.41	\$11.29	\$7.82	\$9.79	\$15.03
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.75*	\$7.76	\$6.75*	\$7.14	\$8.70
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$8.72	\$6.75*	\$7.77	\$9.58
35-2021	Food Preparation Workers	\$6.97	\$8.74	\$7.28	\$8.26	\$10.01
35-3041	Food Servers, Nonrestaurant	\$6.75*	\$8.30	\$6.83	\$7.38	\$9.15
11-9051	Food Service Managers	\$14.12	\$20.59	\$15.20	\$17.49	\$23.90
19-4092	Forensic Science Technicians	\$16.70	\$21.28	\$17.88	\$20.07	\$23.44
19-4093	Forest and Conservation Technicians	\$12.43	\$17.76	\$13.51	\$17.96	\$21.46
45-4011	Forest and Conservation Workers	\$6.93	\$9.80	\$7.94	\$9.78	\$10.88
19-1032	Foresters	\$21.74	\$29.38	\$23.35	\$29.01	\$35.68
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.60	\$12.13	\$8.18	\$10.65	\$15.82

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-4021	Funeral Attendants	\$6.75*	\$8.49	\$6.75*	\$9.19	\$10.48
11-9061	Funeral Directors	\$12.58	\$16.05	\$13.27	\$15.30	\$18.79
51-7021	Furniture Finishers	\$6.75*	\$9.80	\$6.90	\$8.43	\$11.74
11-1021	General and Operations Managers	\$21.78	\$39.33	\$25.26	\$35.97	\$52.05
19-4041	Geological and Petroleum Technicians	\$9.60	\$16.56	\$10.91	\$15.72	\$23.06
19-2042	Geoscientists, Except Hydrologists and Geographers	\$21.41	\$28.25	\$23.58	\$28.17	\$33.01
47-2121	Glaziers	\$10.60	\$17.73	\$13.38	\$16.82	\$21.45
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$13.58	\$19.76	\$15.20	\$19.01	\$22.47
51-9022	Grinding and Polishing Workers, Hand	\$7.36	\$10.78	\$7.65	\$8.78	\$13.61
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Me	\$10.25	\$14.03	\$11.13	\$13.31	\$16.23
37-3019	Grounds Maintenance Workers, All Other	\$6.75*	\$13.60	\$6.75*	\$13.99	\$19.90
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$8.05	\$9.27	\$7.96	\$8.76	\$10.21
47-4041	Hazardous Materials Removal Workers	\$11.01	\$15.60	\$13.35	\$15.66	\$17.50
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$23.59	\$31.11	\$26.11	\$31.01	\$36.08
29-1199	Health Diagnosing and Treating Practitioners, All Other	\$14.56	\$19.22	\$15.53	\$16.91	\$18.30
21-1091	Health Educators	\$17.71	\$26.40	\$21.73	\$28.25	\$32.43
29-0000	Healthcare Practitioners and Technical Occupations	\$14.30	\$26.60	\$16.92	\$24.28	\$32.71
31-0000	Healthcare Support Occupations	\$8.81	\$12.41	\$9.61	\$11.77	\$14.72

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
31-9099	Healthcare Support Workers, All Other	\$9.52	\$12.80	\$10.62	\$12.54	\$14.72
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$14.65	\$21.33	\$16.67	\$20.53	\$25.84
47-3019	Helpers, Construction Trades, All Other	\$7.77	\$10.34	\$7.93	\$8.93	\$10.89
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$9.65	\$13.57	\$9.94	\$11.68	\$16.95
47-3012	Helpers--Carpenters	\$8.72	\$11.65	\$10.08	\$12.36	\$13.47
47-3013	Helpers--Electricians	\$10.08	\$12.84	\$10.80	\$12.54	\$15.10
47-5081	Helpers--Extraction Workers	\$9.18	\$10.94	\$9.29	\$10.32	\$12.26
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$7.72	\$11.17	\$8.49	\$11.07	\$13.32
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$9.15	\$12.95	\$9.63	\$11.38	\$15.55
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$9.96	\$12.17	\$10.21	\$11.57	\$14.02
51-9198	Helpers--Production Workers	\$7.26	\$9.95	\$7.55	\$8.92	\$10.44
47-3016	Helpers--Roofers	\$8.60	\$10.92	\$9.28	\$10.80	\$12.48
47-4051	Highway Maintenance Workers	\$15.35	\$18.38	\$16.17	\$18.55	\$20.94
49-9031	Home Appliance Repairers	\$10.92	\$15.38	\$12.11	\$14.57	\$19.48
31-1011	Home Health Aides	\$7.50	\$9.80	\$7.82	\$9.02	\$11.00
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.75*	\$8.01	\$6.75*	\$7.34	\$8.49
43-4081	Hotel, Motel, and Resort Desk Clerks	\$7.02	\$8.67	\$7.41	\$8.41	\$9.83
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$12.40	\$19.72	\$14.15	\$17.71	\$26.23
11-3040	Human Resources Managers	\$18.99	\$32.34	\$21.28	\$30.85	\$42.18

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-2043	Hydrologists	\$27.04	\$39.42	\$30.88	\$40.30	\$50.40
17-2112	Industrial Engineers	\$23.70	\$32.71	\$26.90	\$32.41	\$39.56
49-9041	Industrial Machinery Mechanics	\$15.44	\$20.62	\$16.71	\$20.65	\$24.21
11-3051	Industrial Production Managers	\$22.03	\$35.16	\$25.64	\$34.10	\$44.20
53-7051	Industrial Truck and Tractor Operators	\$9.85	\$14.94	\$10.86	\$13.53	\$17.99
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$7.59	\$13.51	\$8.28	\$13.26	\$16.75
49-0000	Installation, Maintenance, and Repair Occupations	\$10.46	\$18.18	\$12.14	\$17.34	\$22.87
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$9.85	\$17.17	\$11.29	\$14.69	\$21.99
25-9031	Instructional Coordinators	\$22.31	\$31.24	\$27.69	\$32.68	\$37.75
43-9041	Insurance Claims and Policy Processing Clerks	\$9.77	\$15.62	\$11.39	\$14.64	\$18.15
41-3021	Insurance Sales Agents	\$14.11	\$23.15	\$15.83	\$19.86	\$25.16
13-2053	Insurance Underwriters	\$14.98	\$27.30	\$17.57	\$25.73	\$34.89
27-1025	Interior Designers	\$13.67	\$20.60	\$15.02	\$19.15	\$25.27
29-1063	Internists, General	\$37.45	\$55.96	\$44.29	\$60.94	\$60.94
27-3091	Interpreters and Translators	\$11.33	\$21.66	\$12.78	\$19.38	\$28.15
43-4111	Interviewers, Except Eligibility and Loan	\$8.03	\$14.69	\$8.99	\$13.31	\$20.54
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$7.30	\$10.47	\$7.77	\$10.23	\$12.88
51-9071	Jewelers and Precious Stone and Metal Workers	\$9.08	\$14.91	\$9.95	\$11.40	\$22.88
51-5021	Job Printers	\$11.16	\$16.27	\$12.27	\$15.29	\$19.61
23-1023	Judges, Magistrate Judges, and Magistrates	\$51.45	\$59.95	\$56.70	\$60.94	\$68.21

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$7.40	\$11.06	\$7.96	\$10.00	\$13.58
17-1012	Landscape Architects	\$22.74	\$31.49	\$27.67	\$32.15	\$37.19
37-3011	Landscaping and Groundskeeping Workers	\$7.43	\$10.81	\$8.03	\$9.74	\$12.52
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.86	\$16.63	\$11.21	\$15.83	\$22.99
51-6011	Laundry and Dry-Cleaning Workers	\$7.57	\$8.67	\$7.64	\$8.39	\$9.27
23-2092	Law Clerks	\$9.89	\$14.65	\$11.65	\$14.72	\$17.40
23-1011	Lawyers	\$31.77	\$47.64	\$37.12	\$46.15	\$60.94
51-4192	Lay-Out Workers, Metal and Plastic	\$13.68	\$16.11	\$15.01	\$16.35	\$17.71
23-0000	Legal Occupations	\$20.05	\$39.90	\$25.08	\$40.23	\$53.24
43-6012	Legal Secretaries	\$17.47	\$20.08	\$18.57	\$20.36	\$22.17
11-1031	Legislators	\$16.88	\$27.20	\$16.94	\$18.82	\$46.61
25-4021	Librarians	\$15.35	\$24.28	\$18.64	\$23.98	\$28.74
43-4121	Library Assistants, Clerical	\$8.78	\$12.62	\$9.88	\$12.72	\$15.36
25-4031	Library Technicians	\$10.89	\$15.08	\$12.37	\$15.74	\$17.80
29-2061	Licensed Practical and Licensed Vocational Nurses	\$15.23	\$18.63	\$15.76	\$17.92	\$21.13
19-0000	Life, Physical, and Social Science Occupations	\$14.39	\$25.77	\$18.42	\$26.77	\$32.65
43-4131	Loan Interviewers and Clerks	\$10.92	\$15.33	\$12.34	\$15.27	\$18.61
13-2072	Loan Officers	\$16.83	\$25.21	\$18.97	\$23.98	\$30.00
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$6.86	\$8.33	\$7.01	\$7.70	\$9.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-9094	Locksmiths and Safe Repairers	\$13.21	\$15.42	\$13.99	\$15.39	\$16.77
11-9081	Lodging Managers	\$13.15	\$18.21	\$14.07	\$17.82	\$21.13
45-4022	Logging Equipment Operators	\$12.46	\$15.99	\$14.25	\$16.30	\$18.23
53-7063	Machine Feeders and Offbearers	\$7.54	\$10.12	\$7.98	\$9.35	\$10.95
51-4041	Machinists	\$13.71	\$18.23	\$15.47	\$18.48	\$20.96
37-2012	Maids and Housekeeping Cleaners	\$6.75*	\$8.23	\$7.01	\$8.02	\$9.02
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$7.36	\$11.00	\$8.02	\$10.52	\$14.11
49-9042	Maintenance and Repair Workers, General	\$9.16	\$14.98	\$10.56	\$13.79	\$19.04
49-9043	Maintenance Workers, Machinery	\$11.50	\$15.78	\$12.69	\$15.80	\$17.97
13-1111	Management Analysts	\$13.94	\$27.89	\$19.15	\$27.63	\$36.38
11-0000	Management Occupations	\$19.94	\$37.32	\$24.46	\$35.65	\$48.15
11-9199	Managers, All Other	\$21.30	\$33.74	\$25.01	\$32.97	\$42.63
39-5092	Manicurists and Pedicurists	\$7.05	\$9.52	\$7.42	\$9.22	\$10.68
19-3021	Market Research Analysts	\$16.57	\$27.68	\$19.24	\$26.76	\$35.05
11-2021	Marketing Managers	\$23.58	\$38.49	\$28.04	\$36.57	\$49.69
21-1013	Marriage and Family Therapists	\$19.61	\$23.80	\$19.91	\$22.64	\$27.58
31-9011	Massage Therapists	\$8.91	\$19.19	\$9.94	\$22.28	\$25.40
53-7199	Material Moving Workers, All Other	\$8.38	\$13.13	\$9.35	\$12.34	\$16.40
17-2131	Materials Engineers	\$28.34	\$32.58	\$29.20	\$32.56	\$37.05
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$12.11	\$13.42	\$12.26	\$13.28	\$14.34

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-3013	Mechanical Drafters	\$13.72	\$20.58	\$15.47	\$19.90	\$25.31
17-3027	Mechanical Engineering Technicians	\$20.59	\$32.53	\$22.53	\$27.40	\$39.71
17-2141	Mechanical Engineers	\$25.15	\$32.87	\$27.31	\$31.63	\$37.24
27-4099	Media and Communication Equipment Workers, All Other	\$7.67	\$17.57	\$8.08	\$15.76	\$26.43
27-3099	Media and Communication Workers, All Other	\$13.84	\$20.41	\$15.32	\$18.58	\$23.17
29-2012	Medical and Clinical Laboratory Technicians	\$14.28	\$17.86	\$15.16	\$16.77	\$19.14
29-2011	Medical and Clinical Laboratory Technologists	\$21.35	\$26.00	\$23.43	\$25.96	\$29.00
11-9111	Medical and Health Services Managers	\$24.70	\$40.27	\$29.76	\$38.90	\$53.01
21-1022	Medical and Public Health Social Workers	\$15.30	\$23.50	\$17.36	\$23.34	\$27.93
31-9092	Medical Assistants	\$10.37	\$13.36	\$11.06	\$13.11	\$15.60
31-9093	Medical Equipment Preparers	\$9.21	\$11.69	\$9.89	\$11.51	\$13.49
49-9062	Medical Equipment Repairers	\$15.15	\$22.47	\$17.37	\$23.28	\$27.14
29-2071	Medical Records and Health Information Technicians	\$10.07	\$14.77	\$11.44	\$14.13	\$17.44
43-6013	Medical Secretaries	\$9.72	\$11.56	\$9.71	\$10.63	\$12.46
31-9094	Medical Transcriptionists	\$11.52	\$14.56	\$12.71	\$14.89	\$16.87
13-1121	Meeting and Convention Planners	\$11.70	\$18.99	\$13.65	\$18.96	\$22.77
21-1023	Mental Health and Substance Abuse Social Workers	\$14.08	\$18.81	\$15.04	\$18.43	\$21.77
21-1014	Mental Health Counselors	\$11.15	\$20.24	\$12.63	\$21.44	\$26.32
27-1026	Merchandise Displayers and Window Trimmers	\$8.94	\$11.97	\$9.85	\$11.70	\$13.29
51-4199	Metal Workers and Plastic Workers, All Other	\$6.86	\$11.93	\$7.03	\$9.58	\$14.11

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5041	Meter Readers, Utilities	\$12.33	\$17.12	\$12.99	\$15.56	\$22.34
19-1022	Microbiologists	\$23.33	\$28.76	\$24.91	\$29.24	\$33.03
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.07	\$14.24	\$10.53	\$12.72	\$18.21
49-9044	Millwrights	\$12.83	\$23.10	\$15.55	\$26.21	\$31.58
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	\$24.48	\$32.83	\$29.44	\$34.51	\$39.72
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$11.00	\$16.80	\$12.13	\$14.99	\$18.69
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$16.43	\$21.11	\$18.18	\$20.89	\$23.87
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.93	\$10.27	\$8.76	\$9.99	\$11.33
39-3021	Motion Picture Projectionists	\$6.75*	\$8.94	\$6.75*	\$7.87	\$9.47
53-3099	Motor Vehicle Operators, All Other	\$7.21	\$11.71	\$7.46	\$8.62	\$15.86
49-3051	Motorboat Mechanics	\$10.02	\$14.88	\$10.65	\$13.83	\$17.49
53-5022	Motorboat Operators	\$19.05	\$24.81	\$22.22	\$24.90	\$27.58
49-3052	Motorcycle Mechanics	\$13.22	\$17.02	\$14.81	\$17.34	\$19.92
27-1014	Multi-Media Artists and Animators	\$15.44	\$23.06	\$17.39	\$23.05	\$28.13
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$12.03	\$17.11	\$12.99	\$15.29	\$19.01
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$24.31	\$35.51	\$28.45	\$37.75	\$42.66

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
15-1071	Network and Computer Systems Administrators	\$19.38	\$26.79	\$21.74	\$26.05	\$31.50
15-1081	Network Systems and Data Communications Analysts	\$21.77	\$29.79	\$24.04	\$29.17	\$35.00
43-4141	New Accounts Clerks	\$10.15	\$13.09	\$10.86	\$12.42	\$14.39
27-3020	News Analysts, Reporters and Correspondents	\$11.27	\$21.10	\$12.64	\$16.30	\$25.76
39-2021	Nonfarm Animal Caretakers	\$7.30	\$10.88	\$7.55	\$9.57	\$12.90
29-2033	Nuclear Medicine Technologists	\$23.69	\$27.69	\$24.94	\$27.96	\$31.60
51-4012	Numerical Tool and Process Control Programmers	\$13.22	\$25.34	\$14.01	\$18.76	\$22.02
31-1012	Nursing Aides, Orderlies, and Attendants	\$8.40	\$10.56	\$9.04	\$10.51	\$11.93
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-9010	Occupational Health and Safety Specialists and Technicians	\$14.37	\$25.32	\$16.56	\$26.27	\$32.94
31-2011	Occupational Therapist Assistants	\$17.91	\$20.93	\$18.88	\$20.96	\$23.61
29-1122	Occupational Therapists	\$24.27	\$30.35	\$25.86	\$29.39	\$33.98
43-0000	Office and Administrative Support Occupations	\$9.19	\$14.75	\$10.47	\$13.80	\$17.56
43-9061	Office Clerks, General	\$8.42	\$12.41	\$9.63	\$12.58	\$15.28
43-9071	Office Machine Operators, Except Computer	\$8.30	\$12.73	\$8.93	\$12.12	\$15.03
47-2073	Operating Engineers and Other Construction Equipment Operators	\$17.77	\$24.37	\$19.37	\$22.98	\$29.65
15-2031	Operations Research Analysts	\$23.11	\$28.81	\$26.15	\$29.93	\$32.83
51-9083	Ophthalmic Laboratory Technicians	\$7.64	\$9.54	\$7.83	\$8.73	\$10.72
29-2081	Opticians, Dispensing	\$12.41	\$14.86	\$12.62	\$14.05	\$16.61
29-1041	Optometrists	\$32.09	\$40.77	\$34.38	\$41.18	\$46.50
43-4151	Order Clerks	\$8.59	\$13.07	\$9.53	\$12.59	\$16.05
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$10.69	\$14.17	\$11.53	\$13.59	\$16.78

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9111	Packaging and Filling Machine Operators and Tenders	\$8.39	\$12.81	\$9.39	\$12.94	\$15.80
53-7064	Packers and Packagers, Hand	\$6.75*	\$8.57	\$7.11	\$8.09	\$9.06
47-2141	Painters, Construction and Maintenance	\$9.41	\$14.55	\$10.95	\$14.29	\$17.60
51-9122	Painters, Transportation Equipment	\$12.44	\$27.80	\$13.94	\$19.65	\$28.56
51-9123	Painting, Coating, and Decorating Workers	\$8.05	\$10.67	\$8.52	\$9.84	\$11.81
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$10.80	\$14.22	\$11.86	\$13.95	\$16.92
23-2011	Paralegals and Legal Assistants	\$11.87	\$19.29	\$14.14	\$19.98	\$23.86
53-6021	Parking Lot Attendants	\$6.75*	\$7.88	\$6.80	\$7.65	\$8.70
41-2022	Parts Salespersons	\$9.22	\$15.16	\$10.42	\$14.08	\$18.97
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$12.66	\$19.99	\$16.17	\$20.89	\$24.81
43-3051	Payroll and Timekeeping Clerks	\$12.16	\$16.40	\$13.83	\$16.35	\$18.86
39-9021	Personal and Home Care Aides	\$7.77	\$9.07	\$7.85	\$8.65	\$10.05
39-0000	Personal Care and Service Occupations	\$7.16	\$10.61	\$7.50	\$8.85	\$11.47
39-9099	Personal Care and Service Workers, All Other	\$8.83	\$12.65	\$10.05	\$12.58	\$14.87
13-2052	Personal Financial Advisors	\$12.84	\$21.30	\$13.19	\$15.86	\$25.12
37-2021	Pest Control Workers	\$9.31	\$15.01	\$10.53	\$14.85	\$16.59
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$11.21	\$12.51	\$11.63	\$12.61	\$13.59
17-2171	Petroleum Engineers	\$30.10	\$36.00	\$36.54	\$39.16	\$41.78
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$16.52	\$21.75	\$17.48	\$20.92	\$25.03
29-1051	Pharmacists	\$31.20	\$39.61	\$38.09	\$41.72	\$45.35
31-9095	Pharmacy Aides	\$9.23	\$12.94	\$10.13	\$13.05	\$16.00
29-2052	Pharmacy Technicians	\$12.30	\$15.12	\$12.96	\$14.86	\$16.89

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-4021	Photographers	\$7.99	\$11.50	\$8.35	\$9.92	\$12.71
51-9131	Photographic Process Workers	\$9.48	\$13.26	\$10.97	\$12.88	\$14.42
51-9132	Photographic Processing Machine Operators	\$8.59	\$11.56	\$9.06	\$10.94	\$13.51
19-2099	Physical Scientists, All Other	\$24.09	\$29.25	\$27.74	\$30.46	\$33.19
31-2022	Physical Therapist Aides	\$8.55	\$10.86	\$8.92	\$10.06	\$11.66
31-2021	Physical Therapist Assistants	\$18.02	\$22.99	\$20.51	\$23.88	\$26.22
29-1123	Physical Therapists	\$23.05	\$29.87	\$25.36	\$29.55	\$34.00
29-1071	Physician Assistants	\$26.01	\$32.17	\$30.73	\$33.81	\$36.77
29-1069	Physicians and Surgeons, All Other	\$56.61	\$61.87	\$58.46	\$62.68	\$68.86
19-2012	Physicists	\$26.67	\$34.22	\$28.34	\$31.87	\$37.05
47-2072	Pile-Driver Operators	\$18.69	\$24.18	\$19.56	\$22.01	\$29.14
47-2151	Pipelayers	\$17.40	\$22.02	\$19.51	\$23.05	\$25.50
47-2161	Plasterers and Stucco Masons	\$9.65	\$15.37	\$10.92	\$14.77	\$18.02
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.08	\$13.40	\$9.60	\$14.02	\$17.09
47-2152	Plumbers, Pipefitters, and Steamfitters	\$13.02	\$19.12	\$15.17	\$19.34	\$22.58
29-1081	Podiatrists	\$17.50	\$37.97	\$18.41	\$43.18	\$53.03
33-3051	Police and Sheriff's Patrol Officers	\$20.64	\$27.23	\$22.34	\$27.40	\$32.18
43-5031	Police, Fire, and Ambulance Dispatchers	\$15.80	\$20.15	\$17.38	\$20.25	\$22.64
43-5051	Postal Service Clerks	\$16.74	\$18.61	\$17.66	\$19.11	\$20.58
43-5052	Postal Service Mail Carriers	\$16.36	\$18.61	\$17.47	\$19.04	\$20.62
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	\$9.52	\$11.17	\$9.51	\$10.47	\$12.14
51-8012	Power Distributors and Dispatchers	\$26.83	\$35.09	\$32.24	\$37.61	\$41.18
51-8013	Power Plant Operators	\$22.74	\$29.41	\$25.98	\$29.99	\$34.04

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-9069	Precision Instrument and Equipment Repairers, All Other	\$7.34	\$14.27	\$7.63	\$12.29	\$22.74
51-5022	Prepress Technicians and Workers	\$12.34	\$18.13	\$13.81	\$17.67	\$22.41
25-2011	Preschool Teachers, Except Special Education	\$7.83	\$11.32	\$8.19	\$9.89	\$14.08
51-6021	Pressers, Textile, Garment, and Related Materials	\$6.75*	\$7.98	\$7.22	\$8.00	\$8.75
51-5023	Printing Machine Operators	\$8.94	\$14.92	\$10.35	\$13.88	\$19.34
33-9021	Private Detectives and Investigators	\$9.88	\$12.66	\$9.84	\$10.79	\$13.04
21-1092	Probation Officers and Correctional Treatment Specialists	\$22.54	\$31.85	\$27.23	\$33.96	\$39.33
43-3061	Procurement Clerks	\$12.35	\$15.99	\$13.82	\$15.97	\$18.14
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$7.95	\$13.36	\$8.74	\$11.78	\$16.42
51-9199	Production Workers, All Other	\$7.13	\$9.98	\$7.34	\$8.87	\$11.80
43-5061	Production, Planning, and Expediting Clerks	\$9.90	\$15.69	\$10.94	\$15.93	\$19.60
43-9081	Proofreaders and Copy Markers	\$9.37	\$14.54	\$10.36	\$14.33	\$17.48
11-9141	Property, Real Estate, and Community Association Managers	\$6.75*	\$17.27	\$6.80	\$12.40	\$22.96
33-0000	Protective Service Occupations	\$8.77	\$18.54	\$9.48	\$15.03	\$26.03
29-2053	Psychiatric Technicians	\$15.32	\$17.46	\$15.61	\$17.39	\$19.50
29-1066	Psychiatrists	\$37.37	\$54.62	\$51.79	\$60.33	\$63.74
11-2031	Public Relations Managers	\$19.07	\$40.09	\$23.48	\$37.23	\$55.60
27-3031	Public Relations Specialists	\$19.05	\$29.46	\$22.74	\$27.87	\$34.51
13-1021	Purchasing Agents and Buyers, Farm Products	\$13.43	\$24.58	\$15.84	\$21.84	\$30.72
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$15.86	\$22.40	\$17.63	\$21.53	\$26.77
11-3061	Purchasing Managers	\$20.70	\$31.02	\$24.02	\$29.68	\$37.99
29-2034	Radiologic Technologists and Technicians	\$14.74	\$20.65	\$16.34	\$20.42	\$24.38

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-9021	Real Estate Brokers	\$22.28	\$38.85	\$24.60	\$28.59	\$58.57
41-9022	Real Estate Sales Agents	\$12.71	\$29.24	\$16.12	\$23.79	\$41.45
43-4171	Receptionists and Information Clerks	\$8.38	\$11.71	\$9.30	\$11.75	\$13.82
39-9032	Recreation Workers	\$6.97	\$9.37	\$7.24	\$8.44	\$10.23
29-1125	Recreational Therapists	\$11.93	\$17.82	\$14.08	\$17.44	\$21.16
49-3092	Recreational Vehicle Service Technicians	\$10.90	\$16.07	\$12.03	\$14.16	\$19.28
53-7081	Refuse and Recyclable Material Collectors	\$11.03	\$16.06	\$13.64	\$16.34	\$19.37
29-1111	Registered Nurses	\$23.12	\$28.64	\$24.48	\$28.03	\$33.09
21-1015	Rehabilitation Counselors	\$9.56	\$13.45	\$9.81	\$10.84	\$12.98
47-2171	Reinforcing Iron and Rebar Workers	\$11.63	\$21.05	\$12.79	\$17.94	\$31.39
29-1126	Respiratory Therapists	\$19.20	\$21.97	\$19.35	\$21.35	\$24.34
41-2031	Retail Salespersons	\$6.75*	\$10.49	\$7.14	\$8.49	\$10.98
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.75	\$9.21	\$7.91	\$8.95	\$10.31
47-2181	Roofers	\$11.48	\$18.13	\$12.42	\$18.81	\$23.39
41-0000	Sales and Related Occupations	\$7.21	\$14.83	\$7.79	\$10.70	\$18.03
41-9031	Sales Engineers	\$24.09	\$37.11	\$28.14	\$37.68	\$46.77
11-2022	Sales Managers	\$23.27	\$39.85	\$27.25	\$37.27	\$50.45
41-3099	Sales Representatives, Services, All Other	\$11.23	\$23.38	\$12.85	\$17.22	\$29.09
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$12.51	\$22.52	\$14.45	\$19.39	\$28.60
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$19.36	\$35.24	\$22.18	\$34.45	\$47.01
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$7.23	\$11.28	\$8.10	\$10.64	\$15.04
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-6014	Secretaries, Except Legal, Medical, and Executive	\$10.00	\$13.72	\$10.99	\$13.89	\$16.27
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$13.93	\$28.87	\$14.94	\$17.55	\$39.88
49-2098	Security and Fire Alarm Systems Installers	\$13.99	\$18.89	\$15.24	\$18.50	\$23.10
33-9032	Security Guards	\$8.03	\$9.51	\$8.34	\$9.29	\$10.57
25-3021	Self-Enrichment Education Teachers	\$9.43	\$16.05	\$10.15	\$13.96	\$20.03
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$7.73	\$10.38	\$8.27	\$9.87	\$12.14
53-6031	Service Station Attendants	\$7.79	\$10.94	\$8.36	\$10.12	\$13.95
27-1027	Set and Exhibit Designers	\$10.04	\$15.98	\$10.09	\$11.21	\$23.07
51-6031	Sewing Machine Operators	\$7.13	\$8.51	\$7.20	\$7.97	\$9.21
47-2211	Sheet Metal Workers	\$12.59	\$22.06	\$14.61	\$22.93	\$27.80
43-5071	Shipping, Receiving, and Traffic Clerks	\$7.84	\$11.54	\$8.54	\$10.65	\$13.81
51-6041	Shoe and Leather Workers and Repairers	\$7.70	\$9.62	\$8.06	\$9.02	\$11.57
11-9151	Social and Community Service Managers	\$15.27	\$21.72	\$17.75	\$20.98	\$23.61
21-1093	Social and Human Service Assistants	\$9.03	\$13.28	\$11.30	\$12.85	\$14.93
27-4014	Sound Engineering Technicians	\$9.18	\$17.21	\$9.99	\$16.11	\$21.20
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
29-1127	Speech-Language Pathologists	\$20.37	\$26.88	\$22.55	\$27.15	\$31.94
51-8021	Stationary Engineers and Boiler Operators	\$17.88	\$24.03	\$20.13	\$24.59	\$27.72
43-9111	Statistical Assistants	\$11.22	\$14.61	\$12.01	\$15.18	\$16.90
15-2041	Statisticians	\$21.36	\$28.59	\$23.00	\$28.28	\$34.08
43-5081	Stock Clerks and Order Fillers	\$7.40	\$10.66	\$7.87	\$9.73	\$12.50

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-2022	Stonemasons	\$15.45	\$15.69	\$14.77	\$15.71	\$16.65
47-2221	Structural Iron and Steel Workers	\$13.85	\$21.63	\$15.42	\$20.65	\$28.24
51-2041	Structural Metal Fabricators and Fitters	\$8.57	\$13.19	\$9.38	\$12.99	\$16.32
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$9.94	\$13.82	\$11.01	\$13.60	\$16.66
29-1067	Surgeons	\$69.43	(3)	>\$70.00	>\$70.00	>\$70.00
29-2055	Surgical Technologists	\$13.65	\$15.98	\$14.85	\$16.22	\$17.59
17-3031	Surveying and Mapping Technicians	\$12.45	\$21.00	\$13.37	\$21.26	\$26.90
17-1022	Surveyors	\$22.30	\$31.24	\$26.43	\$31.99	\$37.74
43-2011	Switchboard Operators, Including Answering Service	\$8.57	\$11.47	\$9.21	\$11.23	\$13.34
51-6052	Tailors, Dressmakers, and Custom Sewers	\$8.18	\$11.98	\$8.82	\$11.36	\$14.60
47-2082	Tapers	\$10.37	\$16.55	\$11.89	\$15.60	\$20.72
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$17.41	\$24.61	\$18.87	\$23.48	\$30.60
53-3041	Taxi Drivers and Chauffeurs	\$6.75*	\$8.58	\$7.20	\$8.39	\$9.56
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$7.94	\$10.88	\$8.53	\$10.48	\$12.78
27-3042	Technical Writers	\$10.04	\$17.42	\$10.04	\$11.12	\$24.85
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$13.92	\$20.26	\$16.00	\$21.04	\$25.12
49-9052	Telecommunications Line Installers and Repairers	\$14.05	\$19.90	\$16.06	\$20.00	\$24.67
41-9041	Telemarketers	\$7.39	\$10.30	\$7.60	\$8.96	\$11.50
43-3071	Tellers	\$9.04	\$10.49	\$9.22	\$10.18	\$11.31
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$8.06	\$10.18	\$7.97	\$8.67	\$10.17
47-2044	Tile and Marble Setters	\$16.19	\$23.66	\$17.29	\$21.93	\$31.16
49-3093	Tire Repairers and Changers	\$8.25	\$9.88	\$8.76	\$9.84	\$10.83

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
23-2093	Title Examiners, Abstractors, and Searchers	\$16.21	\$26.75	\$18.92	\$24.75	\$33.59
51-4111	Tool and Die Makers	\$13.67	\$18.79	\$15.56	\$18.46	\$22.63
51-4194	Tool Grinders, Filers, and Sharpeners	\$9.19	\$13.25	\$10.08	\$12.75	\$16.45
39-6021	Tour Guides and Escorts	\$9.04	\$10.88	\$9.74	\$10.59	\$11.46
53-6041	Traffic Technicians	\$16.57	\$23.23	\$19.68	\$22.95	\$28.06
13-1073	Training and Development Specialists	\$16.70	\$24.49	\$18.66	\$24.08	\$30.39
53-0000	Transportation and Material Moving Occupations	\$7.43	\$12.99	\$8.21	\$11.27	\$16.59
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	\$10.46	\$20.99	\$12.15	\$15.70	\$28.34
53-6051	Transportation Inspectors	\$22.06	\$28.02	\$22.95	\$26.87	\$33.11
53-6099	Transportation Workers, All Other	\$10.92	\$21.35	\$13.29	\$21.83	\$29.54
11-3071	Transportation, Storage, and Distribution Managers	\$20.48	\$29.68	\$23.37	\$27.65	\$36.44
41-3041	Travel Agents	\$9.02	\$12.44	\$9.69	\$11.96	\$14.91
37-3013	Tree Trimmers and Pruners	\$10.63	\$15.11	\$11.86	\$14.78	\$18.40
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$13.06	\$18.27	\$14.37	\$17.28	\$21.03
53-3033	Truck Drivers, Light or Delivery Services	\$7.97	\$11.98	\$8.92	\$11.30	\$15.10
27-2023	Umpires, Referees, and Other Sports Officials	(2)	(2)	(2)	(2)	(2)
51-6093	Upholsterers	\$8.13	\$10.78	\$8.20	\$9.08	\$13.32
19-3051	Urban and Regional Planners	\$23.54	\$30.24	\$25.37	\$29.57	\$34.42
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.79	\$11.68	\$7.21	\$10.54	\$16.21
29-1131	Veterinarians	\$24.92	\$37.73	\$30.03	\$37.31	\$43.12
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$6.75*	\$7.84	\$6.75*	\$7.65	\$8.84
29-2056	Veterinary Technologists and Technicians	\$8.75	\$11.71	\$9.82	\$12.10	\$13.38
25-2023	Vocational Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-1194	Vocational Education Teachers, Postsecondary	\$14.31	\$23.80	\$15.68	\$22.09	\$31.25

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
35-3031	Waiters and Waitresses	\$6.75*	\$8.09	\$6.75*	\$6.75*	\$7.34
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$18.02	\$23.53	\$19.61	\$22.72	\$27.67
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$9.21	\$12.18	\$9.87	\$11.58	\$13.55
51-4121	Welders, Cutters, Solderers, and Brazers	\$9.71	\$13.62	\$10.86	\$13.20	\$15.99
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$11.63	\$14.60	\$12.29	\$14.26	\$16.77
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$11.03	\$19.76	\$12.85	\$17.74	\$25.05
51-7099	Woodworkers, All Other	\$8.22	\$11.74	\$8.69	\$10.76	\$15.17
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$7.11	\$10.45	\$7.63	\$9.22	\$12.65
43-9022	Word Processors and Typists	\$9.33	\$14.41	\$10.69	\$14.56	\$17.64
27-3043	Writers and Authors	\$14.00	\$26.20	\$16.33	\$22.94	\$29.46
19-1023	Zoologists and Wildlife Biologists	\$17.67	\$25.01	\$18.98	\$25.01	\$31.42

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.
 - (4) An estimate of employment could not be provided.
 - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- * The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

Projections & Planning Information

Module F:

Social & Economic Data

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Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

TABLE 1
PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM
2000 - 2002
SACRAMENTO COUNTY

Recipients by Program	July			CALIFORNIA July 2002
	2000	2001	2002	
California Work Opportunity and Responsibility To Kids (CalWORKs) (a)	102,026	91,628	79,238	1,331,704
Adults	28,421	25,425	21,635	297,063
Children	73,605	66,203	57,603	1,034,641
Food Stamps (b)	104,458	98,509	97,526	1,529,445
General Relief (c)	4,577	4,821	4,557	95,718
Refugee Cash Assistance (d)	178	192	272	1,362
Welfare to Work (e)	28,170	25,495	21,198	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;

General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

TABLE 2
PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)
CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER
2000 - 2002
SACRAMENTO COUNTY

Characteristics	July		
	2000	2001	2002
Total Recipients 16+ (a) (b)	35,330	31,730	27,440
Male	6,760	6,080	5,250
Female	28,580	25,660	22,190
16-20	7,450	6,690	5,790
21-44	25,180	22,610	19,560
45-54	2,160	1,940	1,670
55+	550	500	430
White (Not Hispanic)	13,200	12,540	9,750
Black (Not Hispanic)	10,800	9,440	6,810
Hispanic	5,920	4,590	6,510
Asian & Pacific Islander	4,880	4,730	4,050
American Indian	320	260	190
Filipino	210	170	140

CALIFORNIA
July 2002
461,210
88,310
373,040
97,300
328,710
28,150
7,200
113,140
101,960
206,470
33,350
3,290
3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce, Bureau of the Census; Detailed data by sex, age, and race/ethnicity are extrapolations based on aggregate figures provided by the Department of Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>
 See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

TABLE 3
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SACRAMENTO COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	16,040	20,310	4,270	26.6	\$21,808	\$8.49
55347	GENERAL OFFICE CLERKS	17,700	21,270	3,570	20.2	\$25,828	\$12.58
49023	CASHIERS	11,170	14,610	3,440	30.8	\$20,761	\$8.25
19005	GENERAL MANAGERS, TOP EXECUTIVES	13,980	16,960	2,980	21.3	(4)	(4)
32502	REGISTERED NURSES	8,380	11,330	2,950	35.2	\$59,570	\$28.03
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	4,650	6,940	2,290	49.2	\$61,532	\$29.86
31308	TEACHERS--SECONDARY SCHOOL	6,250	8,460	2,210	35.4	\$52,005	(5)
63047	GUARDS AND WATCH GUARDS	6,100	8,090	1,990	32.6	\$19,788	\$9.29
31305	TEACHERS--ELEMENTARY SCHOOL	7,880	9,810	1,930	24.5	\$48,535	(5)
65008	WAITERS AND WAITRESSES	7,870	9,560	1,690	21.5	\$16,836	\$6.75*
31521	TEACHER AIDES, PARAPROFESSIONAL	3,960	5,610	1,650	41.7	(6)	(6)
25104	COMPUTER SUPPORT SPECIALISTS	1,770	3,330	1,560	88.1	\$43,021	\$19.49
55305	RECEPTIONISTS, INFORMATION CLERKS	5,660	7,130	1,470	26.0	\$24,344	\$11.75
97105	TRUCK DRIVERS, LIGHT	5,070	6,470	1,400	27.6	\$24,914	\$11.30
67005	JANITORS, CLEANERS--EXCEPT MAIDS	6,480	7,850	1,370	21.1	\$21,791	\$10.23
55335	CUSTOMER SERVICE REPS--UTILITIES	2,430	3,700	1,270	52.3	\$30,754	\$14.01
87102	CARPENTERS	3,970	5,220	1,250	31.5	\$42,789	\$19.99
65038	FOOD PREPARATION WORKERS	5,350	6,580	1,230	23.0	\$18,174	\$8.26
97102	TRUCK DRIVERS, HEAVY	3,940	5,150	1,210	30.7	\$37,993	\$17.28
98902	HAND PACKERS AND PACKAGERS	2,510	3,700	1,190	47.4	\$17,817	\$8.09

Source: Employment Development Department, Labor Market Information Division,
Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at www.calmis.ca.gov

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the Sacramento Metropolitan Statistical Area (MSA), which includes
El Dorado, Placer and Sacramento Counties.

(4) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (4a) - Median Hourly Wage \$58.57;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$58,695 - Median Hourly Wage \$24.90;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$82,901 - Median Hourly Wage \$37.27;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(4a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey),
the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(5) Teacher Aides, Paraprofessional - Include the following Occupations:

Teacher Assistants, SOC Code 25-9041, Mean Annual Wage \$21,109 - Median Hourly Wage See (6)

Education, Training, and Library Workers, All Other, SOC Code 25-9199, Mean Annual Wage \$34,213 - Median Hourly Wage \$13.61

(6) For some occupations, workers may not work full-time all year-round. For these occupations it is not
feasible to calculate an hourly wage.

* The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages
were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 1 — San Diego Metropolitan Statistical Area

San Diego							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area

Anaheim	Los Angeles County					San Bernardino County	
Carson/Lomita/Torrance	Orange County					SELACO	
Foothill	Riverside County					South Bay	
Long Beach	Santa Ana					Ventura	
Los Angeles City	San Bernardino City					Verdugo	
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area

Alameda	Oakland						Santa Cruz
Contra Costa	Richmond						Solano
Marin	San Francisco						Sonoma
Napa	San Jose						
NOVA	San Mateo						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 4 — Other Metropolitan Areas

Fresno	NoRTEC					Stanislaus	
Golden Sierra	North Central					Tulare	
Kern/Inyo/Mono	Sacramento					Yolo	
Merced	San Joaquin						
Monterey	Santa Barbara						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 5 — Nonmetropolitan Areas

Humboldt		Mother Lode					
Imperial		San Benito					
Kings		San Luis Obispo					
Madera							
Mendocino							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive,
Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: SACRAMENTO COUNTY

JURISDICTIONS INCLUDED: SACRAMENTO COUNTY AND SACRAMENTO CITY -- CONSORTIUM

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)	
EMPLOYED	596,049
UNEMPLOYED	32,693
UNEMPLOYMENT RATE	5.2
NOT IN LABOR FORCE (2)	
	335,442
2002 VETERAN INFORMATION	
TOTAL VETERANS (3)	
MALE	89,788
FEMALE	6,387
VIETNAM ERA VETERANS - CENSUS 2000 (4)	
	37,110
DISABLED VETERANS (5)	
	12,593
OFFENDERS (6)	
	33,020
% OF PEOPLE IN POVERTY: SACRAMENTO COUNTY, 1998 (7)	
	15.9

1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 9.8

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	5,594	100.0	14,412	100.0	59,990	100.0	11,056	100.0	85,458	100.0
BY RACE:										
WHITE NOT HISPANIC	2,155	38.5	6,816	47.3	31,189	52.0	6,259	56.6	44,264	51.8
BLACK NOT HISPANIC	1,165	20.8	2,443	16.9	8,670	14.5	1,473	13.3	12,586	14.7
AMERICAN INDIAN NOT HISP	51	0.9	143	1.0	981	1.6	138	1.3	1,262	1.5
ASIAN NOT HISPANIC	1,273	22.8	2,086	14.5	9,154	15.3	1,492	13.5	12,732	14.9
PACIFIC ISLAND NOT HISP	47	0.8	132	0.9	441	0.7	14	0.1	587	0.7
HISPANIC	903	16.1	2,791	19.4	9,556	15.9	1,680	15.2	14,027	16.4
BY SEX:										
MALE	2,981	53.3	5,781	40.1	24,111	40.2	4,723	42.7	34,615	40.5
FEMALE	2,613	46.7	8,631	59.9	35,879	59.8	6,333	57.3	50,843	59.5
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	407	7.3	3,539	24.6	21,549	35.9	6,277	56.8	31,365	36.7
GRADUATES	0	0	546	3.8	17,162	28.6	2,810	25.4	20,518	24.0
STUDENTS	2,684	48.0	4,951	34.4	1,423	2.4	86	0.8	6,460	7.6
DISABLED										
	131	2.3	1,142	7.9	12,409	20.7	4,764	43.1	18,315	21.4
LIMITED ENGLISH PROF										
	478	8.5	965	6.7	8,440	14.1	1,657	15.0	11,062	12.9

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division, Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.

Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: Sacramento County, California

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	1,223,499	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population	1,223,499	100.0
Male	598,815	48.9	Hispanic or Latino (of any race)	195,890	16.0
Female	624,684	51.1	Mexican	150,909	12.3
Under 5 years	88,922	7.3	Puerto Rican	5,746	0.5
5 to 9 years	99,028	8.1	Cuban	1,238	0.1
10 to 14 years	95,316	7.8	Other Hispanic or Latino	37,997	3.1
15 to 19 years	87,895	7.2	Not Hispanic or Latino	1,027,609	84.0
20 to 24 years	82,218	6.7	White alone	706,655	57.8
25 to 34 years	179,839	14.7	RELATIONSHIP		
35 to 44 years	199,003	16.3	Total population	1,223,499	100.0
45 to 54 years	160,742	13.1	In households	1,198,004	97.9
55 to 59 years	52,353	4.3	Householder	453,602	37.1
60 to 64 years	42,308	3.5	Spouse	210,378	17.2
65 to 74 years	71,092	5.8	Child	376,992	30.8
75 to 84 years	49,266	4.0	Own child under 18 years	297,758	24.3
85 years and over	15,517	1.3	Other relatives	78,702	6.4
Median age (years)	33.8	(X)	Under 18 years	29,482	2.4
18 years and over	885,897	72.4	Nonrelatives	78,330	6.4
Male	425,798	34.8	Unmarried partner	30,594	2.5
Female	460,099	37.6	In group quarters	25,495	2.1
21 years and over	835,810	68.3	Institutionalized population	13,625	1.1
62 years and over	160,546	13.1	Noninstitutionalized population	11,870	1.0
65 years and over	135,875	11.1	HOUSEHOLD BY TYPE		
Male	56,702	4.6	Total households	453,602	100.0
Female	79,173	6.5	Family households (families)	297,596	65.6
RACE			With own children under 18 years	152,998	33.7
One race	1,152,107	94.2	Married-couple family	210,378	46.4
White	783,240	64.0	With own children under 18 years	100,806	22.2
Black or African American	121,804	10.0	Female householder, no husband present	63,910	14.1
American Indian and Alaska Native	13,359	1.1	With own children under 18 years	39,503	8.7
Asian	134,899	11.0	Nonfamily households	156,006	34.4
Asian Indian	13,227	1.1	Householder living alone	120,985	26.7
Chinese	30,455	2.5	Householder 65 years and over	36,093	8.0
Filipino	24,516	2.0	Households with individuals under 18 years	169,353	37.3
Japanese	11,908	1.0	Households with individuals 65 years and over	96,579	21.3
Korean	4,955	0.4	Average household size	2.64	(X)
Vietnamese	16,372	1.3	Average family size	3.24	(X)
Other Asian ¹	33,466	2.7	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander	7,264	0.6	Total housing units	474,814	100.0
Native Hawaiian	910	0.1	Occupied housing units	453,602	95.5
Guamanian or Chamorro	936	0.1	Vacant housing units	21,212	4.5
Samoan	1,270	0.1	For seasonal, recreational, or		
Other Pacific Islander ²	4,148	0.3	occasional use	1,621	0.3
Some other race	91,541	7.5	Homeowner vacancy rate (percent)	1.4	(X)
Two or more races	71,392	5.8	Rental vacancy rate (percent)	4.8	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races: ³			Occupied housing units	453,602	100.0
White	837,945	68.5	Owner-occupied housing units	263,819	58.2
Black or African American	139,495	11.4	Renter-occupied housing units	189,783	41.8
American Indian and Alaska Native	30,649	2.5	Average household size of owner-occupied units	2.71	(X)
Asian	159,302	13.0	Average household size of renter-occupied units	2.54	(X)
Native Hawaiian and Other Pacific Islander	13,935	1.1			
Some other race	119,937	9.8			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.

² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Sacramento County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over enrolled in school	366,459	100.0	Total population	1,223,499	100.0
Nursery school, preschool	19,243	5.3	Native	1,026,304	83.9
Kindergarten	19,634	5.4	Born in United States	1,010,442	82.6
Elementary school (grades 1-8)	159,337	43.5	State of residence	701,399	57.3
High school (grades 9-12)	74,973	20.5	Different state	309,043	25.3
College or graduate school	93,272	25.5	Born outside United States	15,862	1.3
EDUCATIONAL ATTAINMENT			Foreign born	197,195	16.1
Population 25 years and over	772,488	100.0	Entered 1990 to March 2000	87,136	7.1
Less than 9th grade	51,674	6.7	Naturalized citizen	83,982	6.9
9th to 12th grade, no diploma	77,596	10.0	Not a citizen	113,213	9.3
High school graduate (includes equivalency)	176,525	22.9	REGION OF BIRTH OF FOREIGN BORN		
Some college, no degree	205,947	26.7	Total (excluding born at sea)	197,195	100.0
Associate degree	69,105	8.9	Europe	36,720	18.6
Bachelor's degree	129,263	16.7	Asia	89,387	45.3
Graduate or professional degree	62,378	8.1	Africa	3,458	1.8
Percent high school graduate or higher	83.3	(X)	Oceania	6,821	3.5
Percent bachelor's degree or higher	24.8	(X)	Latin America	56,877	28.8
MARITAL STATUS			Northern America	3,932	2.0
Population 15 years and over	939,748	100.0	LANGUAGE SPOKEN AT HOME		
Never married	269,176	28.6	Population 5 years and over	1,136,050	100.0
Now married, except separated	473,268	50.4	English only	859,305	75.6
Separated	25,406	2.7	Language other than English	276,745	24.4
Widowed	56,872	6.1	Speak English less than "very well"	133,702	11.8
Female	45,801	4.9	Spanish	113,649	10.0
Divorced	115,026	12.2	Speak English less than "very well"	49,698	4.4
Female	68,515	7.3	Other Indo-European languages	64,428	5.7
GRANDPARENTS AS CAREGIVERS			Speak English less than "very well"	30,276	2.7
Grandparent living in household with one or more own grandchildren under 18 years	27,874	100.0	Asian and Pacific Island languages	92,627	8.2
Grandparent responsible for grandchildren	10,483	37.6	Speak English less than "very well"	51,902	4.6
VETERAN STATUS			ANCESTRY (single or multiple)		
Civilian population 18 years and over ..	885,166	100.0	Total population	1,223,499	100.0
Civilian veterans	121,079	13.7	Total ancestries reported	1,322,065	108.1
DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION			Arab	5,199	0.4
Population 5 to 20 years	296,054	100.0	Czech ¹	4,441	0.4
With a disability	24,078	8.1	Danish	8,941	0.7
Population 21 to 64 years	693,574	100.0	Dutch	16,638	1.4
With a disability	144,190	20.8	English	110,454	9.0
Percent employed	51.3	(X)	French (except Basque) ¹	35,960	2.9
No disability	549,384	79.2	French Canadian ¹	6,340	0.5
Percent employed	76.4	(X)	German	157,574	12.9
Population 65 years and over	130,446	100.0	Greek	6,569	0.5
With a disability	55,880	42.8	Hungarian	3,929	0.3
RESIDENCE IN 1995			Irish ¹	116,902	9.6
Population 5 years and over	1,136,050	100.0	Italian	59,983	4.9
Same house in 1995	539,171	47.5	Lithuanian	1,534	0.1
Different house in the U.S. in 1995	555,589	48.9	Norwegian	20,504	1.7
Same county	364,791	32.1	Polish	15,291	1.2
Different county	190,798	16.8	Portuguese	18,183	1.5
Same state	141,042	12.4	Russian	15,495	1.3
Different state	49,756	4.4	Scotch-Irish	19,151	1.6
Elsewhere in 1995	41,290	3.6	Scottish	23,084	1.9
			Slovak	835	0.1
			Subsaharan African	9,655	0.8
			Swedish	19,132	1.6
			Swiss	5,198	0.4
			Ukrainian	13,326	1.1
			United States or American	52,316	4.3
			Weish	8,578	0.7
			West Indian (excluding Hispanic groups)	1,639	0.1
			Other ancestries	565,214	46.2

-Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-3. Profile of Selected Economic Characteristics: 2000

Geographic area: Sacramento County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
EMPLOYMENT STATUS			INCOME IN 1999		
Population 16 years and over	921,897	100.0	Households	453,841	100.0
In labor force	587,086	63.7	Less than \$10,000	37,684	8.3
Civilian labor force	584,886	63.4	\$10,000 to \$14,999	26,880	5.9
Employed	545,925	59.2	\$15,000 to \$24,999	54,323	12.0
Unemployed	38,961	4.2	\$25,000 to \$34,999	58,693	12.9
Percent of civilian labor force	6.7	(X)	\$35,000 to \$49,999	77,438	17.1
Armed Forces	2,200	0.2	\$50,000 to \$74,999	93,034	20.5
Not in labor force	334,811	36.3	\$75,000 to \$99,999	49,765	11.0
Females 16 years and over	478,693	100.0	\$100,000 to \$149,999	39,064	8.6
In labor force	280,577	58.6	\$150,000 to \$199,999	9,421	2.1
Civilian labor force	280,054	58.5	\$200,000 or more	7,539	1.7
Employed	263,221	55.0	Median household income (dollars)	43,816	(X)
Own children under 6 years	100,671	100.0	With earnings	369,790	81.5
All parents in family in labor force	56,043	55.7	Mean earnings (dollars) ¹	54,822	(X)
COMMUTING TO WORK			With Social Security income	101,678	22.4
Workers 16 years and over	536,310	100.0	Mean Social Security income (dollars) ¹	10,791	(X)
Car, truck, or van - - drove alone	404,130	75.4	With Supplemental Security income	28,935	6.4
Car, truck, or van - - carpooled	77,021	14.4	Mean Supplemental Security income (dollars) ¹	7,379	(X)
Public transportation (including taxicab)	16,502	3.1	With public assistance income	29,896	6.6
Walked	10,999	2.1	Mean public assistance income (dollars) ¹	5,143	(X)
Other means	9,368	1.7	With retirement income	83,660	18.4
Worked at home	18,290	3.4	Mean retirement income (dollars) ¹	19,801	(X)
Mean travel time to work (minutes) ¹	25.4	(X)	Families	299,738	100.0
Employed civilian population 16 years and over	545,925	100.0	Less than \$10,000	16,942	5.7
OCCUPATION			\$10,000 to \$14,999	13,815	4.6
Management, professional, and related occupations	198,004	36.3	\$15,000 to \$24,999	30,562	10.2
Service occupations	79,285	14.5	\$25,000 to \$34,999	35,495	11.8
Sales and office occupations	163,268	29.9	\$35,000 to \$49,999	50,494	16.8
Farming, fishing, and forestry occupations	2,205	0.4	\$50,000 to \$74,999	66,216	22.1
Construction, extraction, and maintenance occupations	47,691	8.7	\$75,000 to \$99,999	39,928	13.3
Production, transportation, and material moving occupations	55,472	10.2	\$100,000 to \$149,999	32,442	10.8
INDUSTRY			\$150,000 to \$199,999	7,636	2.5
Agriculture, forestry, fishing and hunting, and mining	3,890	0.7	\$200,000 or more	6,208	2.1
Construction	37,223	6.8	Median family income (dollars)	50,717	(X)
Manufacturing	39,115	7.2	Per capita income (dollars) ¹	21,142	(X)
Wholesale trade	18,741	3.4	Median earnings (dollars):		
Retail trade	62,702	11.5	Male full-time, year-round workers	39,482	(X)
Transportation and warehousing, and utilities	25,280	4.6	Female full-time, year-round workers	31,569	(X)
Information	20,910	3.8			
Finance, insurance, real estate, and rental and leasing	46,715	8.6			
Professional, scientific, management, administrative, and waste management services	56,352	10.3	POVERTY STATUS IN 1999		
Educational, health and social services	100,629	18.4	Families	30,774	10.3
Arts, entertainment, recreation, accommodation and food services	38,835	7.1	With related children under 18 years	26,079	15.4
Other services (except public administration)	28,273	5.2	With related children under 5 years	13,449	19.3
Public administration	67,260	12.3	Families with female householder, no husband present	14,580	23.4
CLASS OF WORKER			With related children under 18 years	13,311	29.9
Private wage and salary workers	381,308	69.8	With related children under 5 years	6,527	42.9
Government workers	125,669	23.0	Individuals	169,784	14.1
Self-employed workers in own not incorporated business	37,643	6.9	18 years and over	102,056	11.7
Unpaid family workers	1,305	0.2	65 years and over	8,628	6.6
			Related children under 18 years	65,901	20.2
			Related children 5 to 17 years	47,967	19.9
			Unrelated individuals 15 years and over	48,043	20.8

-Represents zero or rounds to zero. (X) Not applicable.

¹If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Sacramento County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units.....	474,814	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	453,602	100.0
1-unit, detached.....	297,060	62.6	1.00 or less.....	414,741	91.4
1-unit, attached.....	32,246	6.8	1.01 to 1.50	20,084	4.4
2 units.....	11,608	2.4	1.51 or more.....	18,777	4.1
3 or 4 units.....	24,701	5.2			
5 to 9 units.....	24,092	5.1	Specified owner-occupied units.....	237,957	100.0
10 to 19 units.....	18,122	3.8	VALUE		
20 or more units.....	51,500	10.8	Less than \$50,000.....	2,536	1.1
Mobile home.....	14,525	3.1	\$50,000 to \$99,999.....	42,181	17.7
Boat, RV, van, etc.....	960	0.2	\$100,000 to \$149,999.....	84,935	35.7
			\$150,000 to \$199,999.....	55,757	23.4
YEAR STRUCTURE BUILT			\$200,000 to \$299,999.....	34,997	14.7
1999 to March 2000.....	9,594	2.0	\$300,000 to \$499,999.....	14,214	6.0
1995 to 1998.....	22,568	4.8	\$500,000 to \$999,999.....	2,841	1.2
1990 to 1994.....	43,788	9.2	\$1,000,000 or more.....	496	0.2
1980 to 1989.....	93,217	19.6	Median (dollars).....	144,200	(X)
1970 to 1979.....	109,011	23.0			
1960 to 1969.....	73,649	15.5	MORTGAGE STATUS AND SELECTED		
1940 to 1959.....	96,097	20.2	MONTHLY OWNER COSTS		
1939 or earlier.....	26,890	5.7	With a mortgage.....	190,211	79.9
			Less than \$300.....	637	0.3
ROOMS			\$300 to \$499.....	5,136	2.2
1 room.....	13,359	2.8	\$500 to \$699.....	12,352	5.2
2 rooms.....	29,700	6.3	\$700 to \$999.....	38,819	16.3
3 rooms.....	56,471	11.9	\$1,000 to \$1,499.....	77,103	32.4
4 rooms.....	73,569	15.5	\$1,500 to \$1,999.....	36,334	15.3
5 rooms.....	101,905	21.5	\$2,000 or more.....	19,830	8.3
6 rooms.....	94,431	19.9	Median (dollars).....	1,223	(X)
7 rooms.....	56,964	12.0	Not mortgaged.....	47,746	20.1
8 rooms.....	29,571	6.2	Median (dollars).....	276	(X)
9 or more rooms.....	18,844	4.0			
Median (rooms).....	5.1	(X)	SELECTED MONTHLY OWNER COSTS		
Occupied housing units.....	453,602	100.0	AS A PERCENTAGE OF HOUSEHOLD		
YEAR HOUSEHOLDER MOVED INTO UNIT			INCOME IN 1999		
1999 to March 2000.....	107,794	23.8	Less than 15.0 percent.....	69,781	29.3
1995 to 1998.....	141,366	31.2	15.0 to 19.9 percent.....	39,224	16.5
1990 to 1994.....	70,661	15.6	20.0 to 24.9 percent.....	36,719	15.4
1980 to 1989.....	62,723	13.8	25.0 to 29.9 percent.....	27,066	11.4
1970 to 1979.....	38,069	8.4	30.0 to 34.9 percent.....	18,026	7.6
1969 or earlier.....	32,989	7.3	35.0 percent or more.....	45,549	19.1
			Not computed.....	1,592	0.7
VEHICLES AVAILABLE					
None.....	39,405	8.7	Specified renter-occupied units.....	189,219	100.0
1.....	168,268	37.1	GROSS RENT		
2.....	173,390	38.2	Less than \$200.....	4,381	2.3
3 or more.....	72,539	16.0	\$200 to \$299.....	4,465	2.4
			\$300 to \$499.....	32,319	17.1
HOUSE HEATING FUEL			\$500 to \$749.....	80,362	42.5
Utility gas.....	279,065	61.5	\$750 to \$999.....	44,619	23.6
Bottled, tank, or LP gas.....	8,019	1.8	\$1,000 to \$1,499.....	16,202	8.6
Electricity.....	162,162	35.7	\$1,500 or more.....	2,471	1.3
Fuel oil, kerosene, etc.....	212	-	No cash rent.....	4,400	2.3
Coal or coke.....	26	-	Median (dollars).....	659	(X)
Wood.....	2,648	0.6			
Solar energy.....	194	-	GROSS RENT AS A PERCENTAGE OF		
Other fuel.....	389	0.1	HOUSEHOLD INCOME IN 1999		
No fuel used.....	887	0.2	Less than 15.0 percent.....	28,921	15.3
			15.0 to 19.9 percent.....	27,811	14.7
SELECTED CHARACTERISTICS			20.0 to 24.9 percent.....	25,740	13.6
Lacking complete plumbing facilities.....	1,991	0.4	25.0 to 29.9 percent.....	21,276	11.2
Lacking complete kitchen facilities.....	2,877	0.6	30.0 to 34.9 percent.....	15,044	8.0
No telephone service.....	6,210	1.4	35.0 percent or more.....	62,288	32.9
			Not computed.....	8,139	4.3

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

Explanation Of Terms And Concepts

American Indian and Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

Black or African American: A person having origins in any of the Black racial groups of Africa.

CalWORKs: California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

Food Stamp Recipient: A person receiving food stamp coupons that can be exchanged for groceries.

General Relief: A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

Hispanic: Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

Native Hawaiian and Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Public Assistance Recipient: A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

Refugee Cash Assistance: A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

Some Other Race: Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

Two or More Races: Refers to a classification of census respondents who chose to provide two or more races.

Veteran: A person who has served but is not now serving in the armed forces of the United States.

Vietnam-Era Veteran: A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

Welfare-To-Work Program: The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.



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